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STATE LUNATIC HOSPITAL
Worcester Mass.

SENATE..... .....No. 1.

TWENTY-SECOND

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL,

AT WORCESTER.

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Mass.: Worcester state hospital (Insane)

DECEMBER, 1854.

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TWENTY-SECOND ANNUAL REPORT

OF THE

TRUSTEES OF THE STATE LUNATIC HOSPITAL.

AT WORCESTER,

1854.

To His Excellency the Governor and the Honorable Council:—

In compliance with law and custom, the undersigned, Trustees of the Massachusetts State Lunatic Hospital at Worcester, present their Annual Report of "the condition of the hospital and its concerns."

Under ordinary circumstances, this Report might well be very concise, and confined to a summary of the principal events of the year. But in the actual state of the case; in the present condition of the question concerning the provisions to be made for the insane of the Commonwealth; and in the prospect of legislative action upon the whole subject, greater diffuseness may be allowed.

In setting forth the condition of the Hospital, and the remedies for its defects, it will be necessary to examine certain principles and modes of treatment, which, though familiar to professional, are not so to unprofessional readers. Arguments that would be held superfluous; considerations that would be deemed perfectly trite by a body of physicians, may be appropriately addressed to those whose studies and occupations have not familiarized them with the subject of insanity,

but who may be called upon to take measures for the cure and care of the insane of the State.

The year has been one of general health and prosperity. No epidemic has occasioned unusual mortality in the Hospital; no fatal accident has broken the usual quiet of the household; no manifest abuse of trust has lowered the high character of the body of officers and attendants.

However far short the Institution may have fallen of doing the greatest possible good with its means, it certainly has continued to carry on, with marked success, the work of Christian charity allotted to it by the State; and another year of good deeds may be added to its history of beneficence. That history has been glorious in the best sense; and Massachusetts may reflect upon it with as much satisfaction as upon any part of her annals. Had she erected at Worcester a Military Academy and an Arsenal, from which to draw men and weapons to conquer in a hundred fields, she could not have won such precious laurels as she has earned within these walls.

Since the opening of this Hospital, four thousand seven hundred and fifty-seven insane persons have been received within its friendly gates. Of these, two thousand one hundred and seventy-two have gone forth again clad in their right minds, or have partially recovered. Others, secluded from the world, (which to them was one of excitement and suffering, while to it they were a terror and a burden,) here pass their days peacefully, and receive that respectful attention due to every being in human shape, however ruined and degraded he may be; and those to whom the end comes, have their eyes gently closed in death by friendly hands. Nor have these only been benefited; for thousands upon thousands of relatives and friends have been relieved from dreadful anxiety, by the State thus taking charge of those beloved ones for whom they could do nothing.

Nor yet have benefits and blessings been conferred upon these the receivers only, but the giver too has been doubly blessed; and Massachusetts has been made richer in the heart's treasures for every year in which, from its high pulpit at Worcester, the Hospital has preached to all the people its daily sermon of Christian love and charity.

The Trustees have great pleasure in such retrospect; and

they heartily ascribe the praise for that portion of the good work which has been accomplished during the past year, to the Superintendent, his assistants, and the faithful men and women in attendance, by whose immediate agency it has been effected.

It is easy and pleasant to render merited praise. It is agreeable to indulge in complacent retrospect of past efforts and acknowledged excellence. But it is a duty to be mindful of faults and shortcomings. It must not be admitted that any thing which has been done in the past, or any success which has been obtained, can warrant a moment's pause in that long career of improvement which is clearly open before this Hospital. That career, indeed, must be pursued with unwonted zeal and energy, if the character which its friends once claimed for it, of being a model institution, can be regained and deserved.

This Hospital was once indeed a model one, in form and in administration; and Commissioners came up hither from other States to study it, and went home to copy it. Our State felt a reasonable pride in the Institution, and in that remarkable and eminent man who so long ministered it; and she indulged in not a little self-gratulation from year to year. It seemed to be thought that, as we had begun with the country's highest achievement, we had also arrived at the ultimatum of the world's possible progress. But while indulging in these pleasant remembrances of the past, and resting on our laurels, great improvements were made elsewhere; other hospitals were built on better models; other and better principles of administration were adopted, until now we find ourselves behind the rest of the world in respect to the facilities and the means which we give to those who have the care of our insane.

It is well known that during the last quarter of a century, and especially during the last ten years, close observation and study of the phenomena of insanity, in Europe and in this country, have thrown fresh light upon its pathology, and caused this light to be so widely diffused that changes and improvements, amounting to revolutions, in the mode of treating the insane, have been demanded and obtained. These changes and improvements have been, as it were, of a moral nature; merely causing the substitution of moral for material agencies, in the administration of hospitals; yet they

required improved buildings, grounds, and material appliances of various kinds.

The improvements in the art of manufacturing cotton cloth have been so great within a quarter of a century, that a factory which possessed only the machinery provided for it twenty-five years ago, could not be run successfully in competition with new ones. No ability or resource of its directors, no skill or zeal of its agent, no fidelity or industry of its workmen, could enable it to do as much or as good work as its more modern competitors. Now, a hospital for the insane is an establishment for repairing health of body, and, through this, health of mind. It is a place for repairing disordered men. It should possess the best machinery, and the best of officers to work it. The principal part of the machinery is the building, and its importance is immense. It should not merely serve to house the patients and protect them from the weather; but it should afford the greatest possible facility for applying the best mode of treatment, by its situation, its construction, its conveniences, its furniture, and its various means of occupation and amusement within; and by its gardens, its grounds, and its contrivances and allurements to exercise and labor without. Lacking these advantages, no ability or resources of its trustees; no skill or zeal of its superintendent; no fidelity or industry of its attendants, can ever enable it do so much or so perfect works of cure as other institutions that possess them.

But when, besides the lack of these advantages, a hospital is overcrowded with patients; when it is obliged to huddle together over five hundred and fifty persons in apartments constructed for only three hundred and twenty-seven, and constructed, too, when less space was thought to be requisite than is now found to be essential; when, moreover, the patients, instead of being partly drawn according to the original purpose from an intelligent and educated yeomanry, are drawn mainly from a class which has no refinement, no culture, and not much civilization even—that hospital must certainly degenerate. Its degeneracy will be the more certain and the more striking if a short-sighted economy tempts its managers to adopt the readiest, instead of the wisest, methods of treatment, and to choose the cheapest, instead of the best system of administration.

The patients, crowded close together, excite and exasperate each other, and confusion becomes worse confounded. The crowd must be brought to some kind of order; and the temptation is very strong to resort to the old and easy way of doing it,—to wit, by main force,—by physical restraint and seclusion. Hence, while in some other hospitals the managers are taking down gratings, removing iron doors, breaking restraint chains, tearing up strait-waistcoats, disusing camisoles and straps, in a word, diminishing to nearly nothing the use of physical restraint and of seclusion, and substituting therefor increased supervision, and a variety of moral means, in that one they are building up new cells, and relying upon mechanical contrivances for restraining the patients. Now, however high among kindred institutions that hospital may have ranked, however excellent it may have been considered at home, it must be ranked low by competent and impartial judges.

Such, in the opinion of the undersigned, by the effect of simple causes, and without manifest fault on the part of any one, is the case with the Hospital at Worcester; and, such being their opinion, they cannot honestly make a report touching the condition of the institution and its concerns without making it known.

The Trustees may as well remark here, that, holding these opinions, they should probably have exercised the power intrusted to them, and made important changes, both in the structural arrangement of the premises, and in the mode of administration, had it not been for several considerations, some of which it may not be inappropriate to mention here.

One consideration is, the conservative character wisely given by the State to the Board of Trustees, in the manner of its appointment. This necessarily makes it slow and cautious about adopting any changes of policy. Now, the policy of delegation of power to other hands, and of non-interference with the immediate management of the Hospital, had been the settled policy of this Board long before any of the undersigned became members of it.

Another consideration is, the hope entertained by all the present members of the Board that the Legislature would take early measures for selling the lands belonging to the Hospital, and erecting new and suitable buildings upon a site more ap-

propriate and advantageous for the establishment, though of far less marketable value. This hope was the result of a belief that such a measure was called for by the best interests of the State.

With these remarks, the Trustees proceed to consider, first, the

NUMBER AND CLASSIFICATION OF PATIENTS.

The number of patients in the Hospital at the beginning of the year was five hundred and twenty.

The number admitted during the year was two hundred and ninety-nine. The whole number discharged was four hundred and twenty-one, of whom two hundred and ten were transferred to the new Hospital at Taunton.

The average number of patients during the year, and during many years, has been enormous. It far exceeds that for which the Hospital has accommodations. It constitutes a crowd. It embarrasses the administration. It lowers the standard of health. It diminishes the comfort and increases the excitement of patients, and the perplexities of attendants. It makes the whole household uneasy. It leads to, and perhaps justifies, the resort to objectionable methods of government, and to restraints which are injurious. It is a prolific source of other evils too numerous to mention. It ought to be diminished, and kept down.

Of the two hundred and ninety-nine patients admitted during the year, one hundred and sixteen were foreigners, of whom ninety-four were Irish, and all paupers.

The Trustees would not mention this fact, in the present state of the times, or they would mention it only to commend the laudable readiness of Massachusetts to care for the strangers within her gates, were it not an important one in view of the classification of patients, which they think it essential for every hospital to have the means of making, but which ours has not. It has been stated to the Legislature before, and it should be repeated, that the Hospital at Worcester is fast becoming a Hospital for foreigners, and that its doors are becoming practically closed against that class of persons who for many years enjoyed its advantages; to wit, the middling class of native population,—the intelligent yeomanry of

Massachusetts, who can afford to pay the cost of their board, and will not ask for charity. The proportion of Irish patients to the whole number was ten per cent. in 1844; but over thirty-one per cent. in 1854.

The State should adopt as her children all who congregate upon her shores. She should make abundant provision for all, of whatever nation, kindred, tongue, or color, who, having found a home within her borders, do there become insane; but that provision, while as favorable as possible to their cure, should be suitable to their condition, their wants, and their capacity for enjoyment. It should be made, too, in such manner as not to cut off any class of her own children, who become insane, from sharing her maternal care and bounty.

It is important and pertinent to the present subject, to bear in mind, that insanity does not change the nature of men and women; that it does not always blunt their sensibilities, or lessen their prejudices, but that, on the contrary, it often intensifies them. Among the insane of this State are wives and daughters, widows and orphans, of farmers, mechanics, ministers, schoolmasters, and the like. These women were taught in our public schools, trained up in our proverbially neat and orderly households, and accustomed to cultivated society; and, however ready and willing they might have been, when sane, to help the poor, and elevate the humble, of whatever race or color, they would have shrunk most sensitively from living next door even to a wretched hovel, and from intimate association with those who are accustomed to, and satisfied with filthy habitations and filthier habits. Now, they do not lose their sensibilities by becoming insane, and they ought not to have them wounded by being herded together in the same apartment with persons whose language, whose habits, and whose manners, offend and shock them. Besides, such associations do not promote the good of any patient, but may retard, and perhaps prevent, the cure of some.

There is yet another class, who have, hitherto, been mingled indiscriminately with the inmates of our hospitals, but for some at least of whom, the undersigned think that express and separate provision should be made, either within or without the common edifice; to wit, criminal lunatics—those who have

committed grave offences, but have been exempted from punishment by the courts on the ground of supposed insanity; and those who, becoming insane while undergoing sentence, are transferred from the prisons to the hospitals.

The presence of any of this class is an evil; and if the number should be much increased, it would be a very grave one. The hospital is a place of refuge for the unfortunate. To make it a place of imprisonment for criminals, is to throw painful associations about it. Nor is the objection merely a moral one. The presence of criminals, who are often desperate men, creates the necessity for greater means of restraint and security than would be required with ordinary patients, and it converts some part at least of the hospital into a prison. The criminal should be treated with care and kindness, but not at the expense of the well being, or the feelings of the innocent insane, or their families.

Now, the presence of these two classes, in such large and increasing numbers, lowers the State hospitals in public estimation; and the consequence is already, that they are less used by those who, though they cannot well afford to pay a high price, will seek the best accommodations for their insane friends. Hence it is, that there begins to be a call for private hospitals and asylums.

The multiplication of these private establishments would be a great evil. It is one that may be prevented by making public hospitals unobjectionable residences for patients of any class; but it will be difficult of cure, if once it obtains footing.

If private hospitals should be multiplied in this State, they will be established with a view of gain. They may become valuable property. It may be impossible to suppress them by legal means, and it will be very difficult to bring them under such legal supervision as will prevent abuses.

The history of civilized nations shows that the multiplication of private hospitals and asylums for the insane will certainly ensue unless public hospitals are of the best kind, and present opportunities for what the people deem proper classification of patients; and it shows, too, that such establishments almost necessarily become serious evils. In Great Britain, so many of them had become places of abomination, that the government had to grapple with the evil, and has lessened and

limited it only by clothing the Lord Chancellor and the Commissioners in Lunacy with inquisitorial and executive powers, which, however necessary for the protection of the lunatic, would hardly be tolerated in this country.

It behooves the legislature to attend to this matter in season, as well to give to the public Hospitals more means of proper classification of patients, as to prevent trouble in future.

HEALTH—MORTALITY—CURES.

The number of deaths, and the number discharged as cured or otherwise, and similar returns, for the past as well as for previous years, will be found stated in the Report of the Superintendent. Such facts are of value in a statistical point of view, when drawn from a long period of time, and from a large number of patients, and with a full understanding of all the circumstances which may have an influence upon them. But as these circumstances can scarcely be alike in different hospitals, comparisons between them must be made with great caution, else they lead to error. As a picture of the Hospital edifice is more or less pleasing according as it is taken from one or another point of view, so an account of its sanatory condition will be more or less favorable according as it may be taken from one or another statistical view. It is natural, in both cases, to choose the most favorable stand point.

The number of deaths during the last year was thirty-four. This, compared with the average number of patients during the year, gives a mortality which, compared with that of the whole population of Massachusetts, is very great, for that is only 1.89 hundreths per cent. Compared with the average mortality in the State Prison, it is prodigious, for that is only three-fourths of one per cent.

It by no means follows from this, however, that the diet and mode of life in the Hospital are less salubrious than in the prison. The prisoners are mostly men of vigorous organization, and at a period of life during which mortality is least. In most of our patients, the original stock of vitality was probably small; in almost all it was sadly impaired before their admission. Many brought here a poor flickering flame of life, which would have soon been extinguished in the gusty world

without, but which is now carefully tended, and will lick up the last drop of the oil of life ere it dies in the socket. It is morally certain, however, that the vital energy of the patients must have been lessened, and the mortality among them increased, by living so much of the time, and in so great numbers, in the badly ventilated and poorly lighted wards and chambers of this Hospital. The state of the air has been a subject of complaint for years. The impression made upon visitors during an hour's visit has been disagreeable and hurtful; what it must have been upon the patients is manifest in their appearance.

The Trustees are happy to be able to state that the arrangements just finished in some of the wards, under the direction of Mr. Jonathan Preston, have proved of great benefit. They remedy the evils so long complained of as much as the structure of the building admits.

There have been no deaths by accident, and but one by suicide, during the year. Considering the number of patients and the fewness of attendants, this speaks well for the watchfulness of the latter.

GENERAL CONDITION AND TREATMENT OF PATIENTS.

In the numerous visits which the Trustees have made, either as a Board, or individually,—visits often made without previous notice, and sometimes by night, they have found evidence enough to satisfy them that the Hospital has been kept habitually as clean and tidy as circumstances would admit; and that the inmates were well fed, comfortably lodged, and kindly treated. They have listened to complaints of patients, but found they were all of such stuff as dreams are made of. In no instance have friends of patients expressed to the Trustees any dissatisfaction.

Now, when it is considered how completely dependent are the patients upon those who have them in charge for comfort, for health, and even for life itself;—how liable they are to injury by one another, by fire, by accidents of various kinds; when it is considered that the attendants may neglect and even maltreat them with possible impunity, and moreover how liable is the possession of great power to great abuses, there certainly is reason for congratulation that in our Hospital, over-

crowded with patients as it has been, no untoward event has disturbed the peaceful current of the year. This is, in a great degree, attributable to the influence of the Superintendent, who, eminently conscientious, vigilant, and industrious himself, has drawn about him a company of assistants who emulate his virtues.

The Trustees think, however, that in several important matters of arrangement and of administration the Hospital needs, and may have, great improvement. One of these is in respect to the

RECREATION AND AMUSEMENTS OF THE PATIENTS.

Among the means of treating the insane, those which help to divert their thoughts from their unnatural channels, and to promote cheerfulness of heart, are very important. Foremost among these are, of course, the associates and attendants of the patients, who should be of pleasant temper and cheerful deportment. But these living agents can be aided greatly by mechanical arrangements of apartments and grounds, by facilities for games and amusements, and the like. In this respect our Hospital is sadly deficient. Most of the wards are ill lighted, and the sunbeams never enliven them. The apartments are of tiresome rectangularity. There are no sunny parlors, no cosy nooks, no cheerful bow windows opening on green lawns; no adornment of the halls, no variety of pleasant sights for the eye, no variety of pleasant sounds for the ear; but, on the contrary, there is a dull monotony in the structure of the rooms, unbroken by diversity of furniture, and an endless extent—square miles, indeed, of walls and ceilings—whitewashed, whitewashed every where, till the eye, wearied with everlasting white, longs even for a stained spot to rest upon. All this, of course, helps to give a character to the establishment, and repels attendants of cheerful tempers, who love to live in sunny spots, and amid pleasant scenes, or it dispirits them after they come. At any rate, the visitor who compares this Hospital with some others, is struck by the grave deportment, the serious countenances, the almost melancholy aspect of attendants and patients. He misses the glad countenance which the merry heart maketh. There is a leaden gravity which seems to defy relaxation; and a gloomy air about

the establishment, which must be unfavorable to the cure of insane patients.

This will probably be amended, at least as far as structural arrangements go, by letting in more sunlight, breaking up the monotony of the wards, providing new parlors, and more facilities for amusement and occupations, by other alterations which the Board have directed to be made.

EMPLOYMENT OF THE PATIENTS.

Another very important instrumentality in the treatment of the insane, whether as regards the cure of their malady or the melioration of their condition, is the means of controlling and directing their minds, through the employment of their hands, and the general occupation of their time. These means should be varied, in view of the organization, the previous calling, and the present condition of the patient. The employment should be of such nature, and such degree of urgency, as will agreeably occupy, without severely taxing, the disordered faculties. In view of the plurality of the mental faculties, the occupation should be varied and adapted as much as possible to the disordered faculty, or rather disordered combinations of them, which, however, are almost endless.

A little reflection will show that idleness, so pregnant of evil to the sane, may be equally dangerous to the insane; and that the best remedy for a disordered current of thoughts and feelings is their diversion into other channels by attractive occupation.

In great trouble and in mental anguish, men seek for occupation of body and of mind, lest they should go mad; and, when they have gone mad, they need it in order to get sane again. Even in those cases where excessive occupation, where anxiety, or where over-mental action has caused insanity, it is not total inaction, but change of action, that is required. Indeed, the mind will not rest in recent insanity. It is only when serious changes in the brain lead to fatuity, that it becomes quite quiet; and this condition we wish to prevent, or at least postpone, as much as possible. Hence the necessity of ample provision in every hospital, of varied material and mechanical appliances and contrivances, to aid in the moral treatment of the insane. This matter does not seem to have had

sufficient attention in the organization, or in the administration of this establishment. There is lack of variety and abundance of means of recreation, and also of industrial occupations.

The fact that hundreds of tolerably strong and healthy men and women are most comfortably fed and lodged in one house, at public charge, and yet permitted to pass months and years in idleness and sloth, would shock this active and industrious community, were it not that custom has made it familiar, and seems to warrant it.

It is true that many patients do recover reason under this "let-alone" treatment; but so do men sick with the same malady recover health though treated by doctors of different schools, and swallowing drugs of opposite character. The reputation of doctor and of drug may come from the fact that they so often fail to defeat, and do only retard, the natural processes which bring the majority of diseases to a safe issue. In order to learn which system is best, we must compare one with another working under circumstances as nearly alike as possible.

It is easy to compare our Hospital with others in regard to the variety of occupation provided for the patients, the attention paid to occupying them with industrial pursuits, and the amount of labor they perform. In all these matters many other hospitals take precedence of it. In the British hospitals especially, great attention is given to the occupation of the patients; and some of them almost deserve the name of industrial establishments. Some asylums in Scotland, and some district asylums in Ireland, are particularly distinguished in this respect.

It is true that the circumstances are not the same in the two countries. There is greater development of individuality here; more of self-guidance, and more of voluntary labor. There is less disposition to submit to the direction of others; and, as people do not lose their ordinary characteristics in their insane state, it may be more difficult to keep lunatics busily employed in this country than it is in Great Britain. But one-third of our patients are Irish; the most of whom, if at home, and in some of the district asylums, would surely be kept at work. With regard to the Americans, they are quite as active and industrious as any people; only they are more fond of considering their labor to be voluntary and self-directed; and it

would seem that advantage might be taken of their general peculiarities, so that they would be induced to join in some industrial occupation.

Many, if not most, of our patients are regaled daily at table with what would have been rare, and perhaps unknown luxuries in their former homes. These cannot be needful for their cure; and the enjoyment of them might perhaps be made conditional upon their doing a certain amount of work. Few lose the sensitiveness of the "pocket nerve;" and this, if not already morbidly active, might be quickened by prospect of immediate gain. It certainly would be better for the Hospital and for the State, to have all the inmates who are in ordinary bodily health busily engaged in light work, even by paying for every hour's time, than to have hundreds lounging idly about the wards, gradually losing the tone and vigor of their bodies, and indifferent to every thing except the quantity and quality of the next meal.

Of course the disinclination to steady occupation is seldom to be regarded as laziness, or as in any way culpable, but rather as one of the results of insanity, which deranges the distribution of the nervous energy, and sometimes lessens the amount of it. But though punishment, even by deprivation of comfort, may not be just, yet inducements to regular employment, in shape of wages or of little luxuries, may be both just and proper, by encouraging regular exercise of body and voluntary direction of the mental faculties, which become habitual, and therefore pleasant and salutary.

It cannot be too often repeated that Nature, pitched out even by so rude a fork as insanity, constantly tends to return; and her plain indications may be often relied upon by the uninitiated, though they contravene doctrines announced as axiomatic by the "professors." All agree that it is not right to thwart directly the inclinations of the insane, or to *force* them to action when disposed to inaction; but still the principle holds, that efforts at self-control are exercises which tend to strengthen the enfeebled mind, and that patients should be encouraged to make them.

It is true that, generally, we have rather to deal with deranged than with diminished mental energy, in cases of recent insanity. There is undue, involuntary, perhaps violent action of cer-

tain faculties which disturbs the mental balance, and oversets reason. There is danger that, by mere force of habit, this undue action may become permanent, while by the same cause the inaction of other faculties may be confirmed; and this is to be counteracted, while yet manageable, by strengthening the weakened faculties, and reëstablishing the balance. Constant and urgent inducement to action may therefore be usefully presented to the mental faculties and dispositions which are in abeyance, and new channels opened for the thoughts and affections. In a word, deranged habits of mind should not be left to grow worse by neglect; the patient should not be abandoned to blind chance, but roused to effort, and encouraged to sane mental exercise by succession of pleasant objects, and by agreeable pursuits, which occupy the mind without taxing or worrying it.

For this purpose, places of recreation, games, workshops, gardens and the like, are to be provided in abundance and in variety. But especially should there be opportunity and inducements to engage in those tranquil and salubrious pursuits which a large and well-managed farm presents in greater variety and abundance than can be found elsewhere.

There are facts in abundance to show that these things are most desirable and most useful in the cure and care of the insane.

The value of the work done by the patients in the Worcester Hospital in 1853, when there was over 500 of them, was only $2,000, as estimated by the Superintendent. Only about one in five there does a moderate day's work. In summer time *about one-quarter* of the patients are said to do a moderate day's work; in winter only about one-fifth. The Superintendent estimates that only $300 a year is saved to the Hospital by the aid which the men render, and only $700 by that of the women.

The Reports of some of the British Hospitals furnish a striking contrast to this. In them, *three-quarters* of the patients are industriously and usefully occupied. Some of the details of their industrial pursuits show a striking contrast with ours, and are, moreover, interesting in a moral point of view.

The Report of the Wilts County Asylum for 1852 says:—

"The employment of the patients is an object of primary

consideration. A large proportion of the men are engaged in agricultural pursuits."

"Under the active and judicious superintendence of the matron, an *increasing majority* of the female patients are occupied in the domestic labors of the kitchen, laundry and wards, and in needlework. The greater part of the bed and house linen has been, and is in process of being, made by the assistance of a single seamstress."

The Report for 1852 says: "The original outfit of clothing was supplied by the Asylum for the North and East Ridings of Yorkshire, an institution in which the industrial system has been developed to the fullest extent, and where it was *made entirely by the patients.* This is probably the first instance of an asylum entering into a contract of such a kind. Great interest was excited among the patients, who were made aware that they were preparing clothing for another asylum; and quite a sensation was manifested when two carts, laden with heavy bales of woollen clothes and shoes, shirts, and dresses for the women, left the rooms of North and East Ridings Asylum."

Again: "during the year, all the clothing required for the increasing number of inmates has been made by the patients. In the tailors' and shoemakers' shops much work has been done, the amount of which will be seen in the tables appended to this Report. The female patients continue to be extensively engaged, under the direction of the matron, in the various services of the kitchen, the laundry, and the wards, and a large stock of clothing and bed linen has been made by them, assisted only by their ordinary attendants; it not having been thought necessary to fill the place of the seamstress, who left her situation at midsummer. A further reduction in the staff of servants of the establishment has been effected by the discontinuance of a second laundry-maid; and, after some months' trial, the success of this plan may be considered as proved." Now, the Wilts County Asylum is not particularly distinguished for industrial activity among English Hospitals. If the contract were made with some others, the inactivity which characterizes ours would be more striking. There employment is the rule, idleness the exception; here it is the contrary. There activity well directed, begets salutary industry; here idleness undisturbed, becomes enervating sloth. It does not

appear that the occupation of the patient retards cure; but, on the contrary, the evidence of its good effects, in a salutary and curative point of view, is most abundant and convincing.

The Trustees think that the Worcester Hospital may be greatly improved by more ample provision of means of industrial occupation in workshops and upon the farm, and that the present relief from the crowd (whose pressure has acted so unfavorably to all improvement) furnishes a good opportunity for introducing a better system of internal administration with this view. The Trustees would not have the Hospital converted into a workhouse. They would not enforce labor, or require it with any view to immediate pecuniary gain; but they believe that the majority of the patients may be induced to do a considerable amount of useful work, and, at the same time, promote their own health and happiness.

HABITS OF THE PATIENTS.

Following after this evil of inactivity, and probably aggravated by it, is the great prevalence of morbid appetites and filthy habits among the patients. This, too, is a matter respecting which it is difficult to make comparisons with other hospitals; but from all that can be learned by the Trustees, the proportion of what may be called morbidly filthy cases is uncommonly great in the Hospital at Worcester. Before the exodus to Taunton, nearly half the whole number were of this description, and the proportion is fearfully great even now. This is a delicate matter to touch upon in a public report; nevertheless, it is an important one. It regards the comfort and well being of the patients; it is an indication of the hygienic condition of the household, and of the degree of medical care bestowed upon it; and to avoid mention of it on proper occasion would be squeamishness.

By filthy patients is meant those who, if not watched and prevented, will besmear their persons with, and even swallow, substances the most disgusting to the natural taste.

Now, all morbid appetites and unnatural habits are consequent upon, or certainly connected with, some derangement of the bodily functions; and though the derangement may be of special or minute parts of the nervous system, or even of

intangible, and as yet obscure magnetic agencies, still, beyond a peradventure, it must be increased or diminished by the varying conditions of the great organs whose functions seem to be more under our cognizance and control. A lunatic may tell a hawk from a handsaw after supping on dry toast, but be perplexed by their resemblance after minced pie. A suicidal patient may be content to live through the night if he has eaten the one, but be looking after razors and ropes if he has swallowed the other. In the same manner, the distortion of tastes, which makes things seem comely and desirable that are usually offensive and repulsive; the inversion of natural tendencies which makes filth pleasanter than cleanliness; and the perversion of appetite that renders substances palatable which are usually disgusting—these must be more or less salient, according to the condition of the bodily health of the sufferer. In all these matters there is great room for improvement; and the relief given by the reduction of the number of patients, by improved ventilation, and by the greater amount of medical and moral care which can be given by the Superintendent to each case, will probably bring it about. This naturally leads to notice of the

DUTIES AND CARES OF THE SUPERINTENDENT.

It seems to the Trustees that too much labor and responsibility, aside from his medical duties, have devolved upon the Superintendent of this Hospital. Eight hours a day of such close study as a careful physician ought to bestow upon the malady of his patients, is surely as much as a man of ordinary powers can bear, and wear well. But eight hours divided among the patients of this Hospital, when it is crowded, would give but about three-quarters of a minute to each, supposing not a second to be lost in passing from one to the other; and it would give only about a minute and a quarter to the present number. But, in reality, with all possible diligence, not one minute could be given to each case.

It is commonly thought, that since most of the patients in a public hospital are chronically insane, and since their condition does not vary from day to day, all that the physician has to do is, to assure himself of their presence and safety by a glance at

them as he walks through the wards. But every day effects changes, more or less considerable, in every organized body and there are exceptional cases in which, by some extraordinary revolution in the system, reason is restored in the most unexpected manner. These changes may come at any time; and they should be watched for, in order that the curative tendency may be favored. It should be assumed that they may happen to each and every patient, however old and desperate his malady. As the anxious parent clings to hope so long as there is a spark of life in a child's body, so the physician of a hospital for the insane should hold that there is a hope, because a possibility, of each patient's restoration to reason. He should bear in mind that each one is somebody's beloved child, or parent, or relation; or, if not, then that he is doubly unfortunate, and should, therefore, be doubly interesting to him.

Besides, there are many patients who will not speak of any pain or suffering which they may be undergoing; and some who cunningly conceal it. Certainly, therefore, the physician should make frequent personal observation of each, and especially of those cases where the patients are too much demented to seek relief of their own accord, even when suffering ever so much. But if we allow that five minutes should be given to each case, the physician would have to labor ten hours daily in order to attend to each patient three times a week. It is true, he has his assistants; but his ablest and most trusty assistants are his own senses, and upon them he must mainly rely.

Such calculations of the division of time cannot, indeed, be very accurate or valuable; for some physicians have a natural quickness of perception, so sharpened through practice, that a patient's condition is seen at a glance, as by a flash of revelation. They have the intuition of genius. But surely, after making every allowance, it must be admitted that the proper medical care of the individual patients,—the regulation of their diet and regimen,—the contrivance of their amusements and occupations, and the general oversight of the moral condition of the great household—these things are enough to occupy fully and worthily the time and the energies of one man.

But, besides these duties, many others are imposed upon the

Superintendent by the statutes, or have devolved upon him by the common law of custom. He has to carry on the extensive correspondence of the Hospital; and much of this he cannot do by deputy. He virtually appoints, and is responsible for, the Assistant Physicians, Steward and Matron. He directly appoints, and is responsible for, the Clerk, Apothecary, Supervisors of Departments, Overseers of the Wings, Overseers of the Laundry, Bakery and Workhouse, Watchman, Farmer, and all necessary Attendants in the galleries, laundry, bakery, kitchen, workshops, and on the farm. He must "see, constantly, that all persons thus appointed by him, and also all subordinate officers appointed by the Board, perform, faithfully, the duties required of them; and from time to time he shall give them such instructions as he may deem necessary to secure the exact and thorough performance of their respective duties."

But, besides all this, the physician is, virtually, head of the Steward's Department, and does a great deal of duty in other departments which require much thought, and of course, divert much of his power from his more legitimate field of action.

Now, much of this labor and responsibility ought to be, and may be, spared to the Superintendent, and still a great deal will remain. The "one-man power" must be maintained in such an establishment. The Superintendent must be the real head of the household, and have patriarchal power; hence the obvious necessity of so restricting the number of patients that he can have daily and intimate knowledge of their individual condition, and time and strength left to make all the necessary provisions for their safety, comfort and cure. To gather into this Hospital, therefore, *more than twice* as many patients as can be thus carefully, properly and faithfully treated, is justifiable on no ground but that of stern necessity, which the State cannot plead. To gather into it any more is unwise. It is not even justifiable on the ground of economy; for in this matter of care and cure of the insane, as in other matters, the best way is the cheapest. It is the way that the men of Massachusetts manage their individual business. In their banks, manufactories, and workshops, they do not burden their cashiers, agents and overseers, with such a load of business that some part of it must be slighted, some neglected, and all of it done hurriedly; and they should not so burden the Superin-

tendents of their Hospitals. To attend to two hundred patients faithfully and efficiently is good work for a good man; to attend to two hundred and fifty will tax the energies of the best one to the uttermost. More than this one man cannot do, and do well; and let not Massachusetts require him to make the vain attempt.

MECHANICAL RESTRAINT AND SECLUSION OF PATIENTS.

The sight of scores of men and women confined in cells, dignified by the name of strong rooms, or restrained in the use of their limbs by mechanical contrivances, has long constituted the most melancholy feature of this Hospital. In the mind of the visitor who doubted the necessity of this rude method of treatment, and who suspected that its adoption was the result of a parsimonious selection of the cheapest rather than the best method, the melancholy was not unmingled with sterner feeling.

There is about the insane a helpless dependence that is more touching even than that of woman; so that the unnecessary abridgment of their personal freedom, or the needless diminution of their remaining means of enjoyment, is a wrong which, if done with intent, or through unworthy motives should meet with indignant reprobation. It has been done in this Hospital partly through a supposed necessity, and partly in consequence of the crowd of patients forced into it. It is still done in other public institutions where the insane are confined, and the matter therefore, should, in every possible way, be brought before the public; and appeals should be made to the intellect and the conscience of the people, until the wrong ceases.

The assertion, that public opinion in New England is less enlightened than that of Old England with regard to the treatment of the insane, may seem strange, but nevertheless it is true. It is true, moreover, that here, in Massachusetts, practices are tolerated in some institutions* where the insane are kept, which would there be indictable at common law, as will be shown presently.

There are in the Worcester Hospital forty-eight "strong

* There are 23 insane persons confined in prisons in Massachusetts, and 152 under charge of jailers.

rooms," or rather cells. They are built of stone or brick, precisely like prison cells, with grated doors and windows, apertures for putting in food, taking out vessels, &c. They are so contrived that they can be easily warmed and cleansed from filth that offends the eye, but in all other respects they are unfit abodes for human beings. The older ones are perfectly detestable. Opened to the more enlightened moral sense of this day, they seem like the relics of a comparatively barbarous age. Well might the Trustees, in the Report of last year, ask, "How is it possible that the furious, the violent, the indecent should ever be restored while occupying apartments unfit for the abodes of dumb beasts?" They might have added, that any sane man, unless an eminent non-resistant, would become "furious and violent" by being placed therein.

Even those cells constructed at so great cost within a few years, are not fit habitations for the worst maniac, because they needlessly aggravate his malady and his misery. They, too, are stone cells, with iron doors and grated windows.

These cells have been almost continually in use since they were built; and when the Hospital was as crowded, as it sometimes has been, their use has doubtless seemed absolutely necessary.

So many unfortunate men and women have been shut up in them year after year, and so many others have been restrained by mechanical contrivances, that such imprisonment and restraint have come to be considered as matters of course in the treatment of the insane by official and unofficial visitors, by legislative committees, and, to a certain extent, by the public at large.

Now, it can be shown that neither "seclusion" nor "restraint" of insane persons is necessary, saving in rare and exceptional cases, and then only for short periods of time and in ordinary rooms; first, by general reasoning; second, by experience in other places; third, by experience here at home within the last year.

First, as to the general reasoning. "Seclusion" of an insane person is a dainty word for expressing his imprisonment in a cell. Restraint is a dainty substitute for fettering his hands or feet, or both, the fetters being of leather instead of iron.

Insanity, as was remarked before, deranges, but does not

alter, the nature of men. It often merely intensifies certain modes of mental action. It is especially apt to intensify the lower and peculiarly selfish propensities. In dealing with insane emotions and passions, we have often to deal with sane ones merely raised to a higher power.

Human nature continues to pervade the motives, though the actions be ever so extravagant; as gravity pervades particles of matter that may be forced upwards or sideways by disturbing forces. We are to consider that opposition provokes to anger, and that the soft answer turns away the wrath of insane as well as of sane men. We are to consider the principle, that whatever directly represses the individuality; whatever restrains the personal liberty; especially whatever restrains the freedom of motion and locomotion, instantly excite opposition, temper and rebellion. This is a sort of oppression of individual right and freedom, which the most dull or deranged intellect can feel, and which every one instinctively resists.

It is amazing how contentedly and unconsciously men bear oppression, if their arms, legs and tongues are free. A man who was sitting contentedly in a room immediately desires to go out if any one locks the door. A man who never cared to leave his quarter of the town, if put under arrest, at once wants to break the jail limits, though they are as extensive as the whole county. If the Legislature should enact that no inhabitant of Massachusetts should leave the State under heavy penalties, there would be a rush of men, women and children towards the borders.

The more directly restraint affects the person, the more feeling and opposition it excites. A man who would only be indignant if confined in a room, is furious if his hands are tied. A woman who would only scold and fret at the imprisonment, would scratch and bite at the bonds. An angry man whose doubled fist would be dashed into any face that wore a look of defiance, is soon calmed by a placid smile.

Now, the natural supposition is that people are not utterly changed in these respects by insanity. So long as the senses are unimpaired, and the perceptive faculties, or any of them, are active; so long as any reason remains, (and its light is seldom entirely quenched,) so long must men be more or less subject to the ordinary laws of humanity.

Secondly. Abundant recent experience confirms the inference that would be drawn from *a priori* reasoning, and proves that forcible restraint of insane persons usually does more harm than good, and is very seldom necessary. Indeed, the great modern reformation in the treatment of the insane is founded upon this idea. The heroic Pinel confided in it. Having with difficulty got permission from the timid authorities, who prophesied all sorts of evil, he first made what was deemed the perilous experiment. He went to the cells of the great Parisian madhouse, where furious men were struggling with their chains, striking at whoever approached the gratings, spitting at them, and yelling themselves hoarse with curses and imprecations. He boldly entered, and having charmed and calmed the maniacs by his gentle but firm bearing, he struck off their fetters. The prisoners were amazed at the sudden recovery of freedom, and at the unexpected fact that no one would fight or oppose them, and they soon became appeased and quiet. They did not abuse, nor even care to exercise their freedom, but soon yielded to that common instinct of humanity which is seldom lost, even through insanity,—the instinct which leads us in childhood, in sickness, in prostration, whenever, in short, we are conscious of inability to guide ourselves, then to seek the guidance of others, and, if the guidance cannot be found in men, to seek it of God.

A reform was commenced at once; and though it has been obstructed, and occasionally retarded, as all reforms are sure to be by timid conservatism, it has been carried on with the most blessed results. In all civilized countries the reformation was hailed with pleasure, and in all its principles were admitted to a certain extent; though practiced upon far more heartily and fully in some than in others.

In some British hospitals the reform became a complete revolution, and all forcible mechanical restraint of patients and all seclusion were completely discarded. Their example has been virtually followed by some hospitals in this country. In others the principle of the reform was not admitted with full faith, and there the old usages were clung to, or given up grudgingly and by halves. The old cages were improved a little, and called "strong rooms;" and the iron chains were replaced by leathern straps.

There was a conflict of opinion and of words. The force of reasoning and the weight of evidence soon seemed in favor of an almost complete reliance upon moral means, and an almost complete abandonment of forcible restraint and seclusion, in the treatment of the insane. Still, however, this "*almost*" left a wide margin for variety of practice in different hospitals, and for honest differences of opinion as to the degree in which the principle of non-restraint, as it was called, could be safely acted upon. In this, as in all similar matters, men's judgments were unconsciously affected by their character. Bold and hopeful reformers went forward; cautious and doubting conservatives held back.

The British Commissioners in Lunacy, conscious of the vital importance of this matter, issued circulars to the Superintendents of public and private hospitals in the kingdom, asking for the result of their experience in regard to it. The answers are from one hundred and eighty-one institutions, and embody a vast amount of interesting and important information. In June, 1854, the Commissioners made their Report, which concludes thus:—

"As the general result which may be fairly deduced from a careful examination and review of the whole body of information thus collected, we feel ourselves fully warranted in stating, that the disuse of instrumental restraint, as unnecessary and injurious to the patients, is practically the rule in nearly all the public institutions in the kingdom, and generally also in the best conducted private asylums, even those where the 'non-restraint system,' as an abstract principle, admitting of no deviation or exception, has not, in terms, been adopted.

"For ourselves we have long been convinced, and have steadily acted on the conviction, that the possibility of dispensing with mechanical coersion, in the management of the insane, is, in a vast majority of cases, a mere question of expense, and that its continued or systematic use, in the asylums and licensed houses where it still prevails, must, in a great measure, be ascribed to their want of suitable space and accommodations, their defective structural arrangements, or their not possessing an adequate staff of properly qualified attendants, and frequently to all these causes combined.

"As respects the question of seclusion, it will be seen, upon a perusal of the statements in Appendix (G,) that its occasional use for short periods, chiefly during paroxysms of epilepsy or violent mania, is generally considered beneficial.

"At the same time. we would observe, that the facilities which seclusion holds out to harsh or indolent attendants, for getting rid of and neglecting troublesome patients under violent attacks of mania, instead of taking pains to soothe their irritated feelings, and work off their excitement by exercise and change of scene, render it liable to considerable abuse; and that, as a practice, it is open, though in a minor degree, to nearly the same objections which apply to the more stringent

forms of mechanical restraint. We are, therefore, strongly of opinion, that, whenever seclusion is resorted to as a means of tranquillizing the patient, it should only be employed with the knowledge and direct sanction of the medical officers, and even then be of very limited duration.

"Further experience, we think, has shown that, except for the reception of epileptic patients during the continuance of their paroxyms, and, in a few cases, where there is a determined propensity to suicide, the utility of padded rooms is not so great as was at one time supposed, and that, for cases of ordinary maniacal excitement, seclusion in a common day-room or sleeping-room of moderate size, from which all articles that might furnish instruments of violence or destruction have been removed, and which is capable of being readily darkened, when required, by a locked shutter, will, in general, be found to answer every useful purpose."

In many American hospitals the principle of "non-restraint" has been acted upon wisely, though without that attachment to a theory which leads some to forbid a resort to any mechanical restraint or forcible seclusion, even in those rare but not unknown cases which are manifestly benefited by their prudent use.

The Trustees have long regretted that circumstances did not permit the adoption of this reform as fully at Worcester as in other American hospitals.

A Committee of the Board last year visited nine hospitals out of New England, and there found that, taking the whole number of patients, only one in three hundred was confined in a strong room, while at Worcester more than ten times that proportion of patients were so confined. There were less than six hundred patients; and yet the forty-eight strong rooms were almost continually used for the forcible seclusion of men and women, many of whom were raving, and whose wretchedness was doubtless increased by their imprisonment and restraint.

The records of the Trustees will show how often and how strongly they have denounced these rooms as unfit places of habitation. But there was always a crowd of patients within the Hospital, and more pressing for admission. Those in charge deemed it necessary to use these rooms. Still, therefore, men and women were thrust into them, and made more furious by the confinement; and still many others were restrained by straps and various mechanical contrivances, who might have had freedom of motion, and the use of their limbs, if sufficient space and sufficient means of medical and moral treatment had been at command, and if there had been fuller faith in

the efficacy of milder measures. The principal evil, and that which seemed to justify the use of so much seclusion and restraint, was the crowd of patients. Of this evil, the Trustees and the Superintendent have complained, as often and as loudly as seemed becoming and proper to do.

In 1853, the crowd was so great, and the danger of an epidemic so imminent, that a vigorous effort was made by the Trustees to lessen the number, by summarily discharging one hundred patients, and throwing them back upon the town authorities. This, however, caused so much opposition, so much complaint, and so much real distress, that it was not persevered in long.

Thirdly. An opportunity has been furnished during the last year of showing here at home, by actual experiment, and beyond all possibility of doubt or cavil, that the imprisonment and restraint of insane persons, as practised at Worcester for so many years, was not necessary for their proper care and safe-keeping. During the months of January, February and March, there had been sixty-six patients confined in the "strong rooms," twenty-one of them during the whole time, thirty-three nearly half the time, the others during various periods from a day to a month.

In April, two hundred and ten patients were removed to the new hospital at Taunton. The patients selected were those whose homes were in the neighborhood of Taunton, and not those who were most troublesome. By reason of one of those curious circumstances which, if unnoticed, defeat statistical calculations, it so happened that only a few of them were of that violent class whom it had been deemed necessary to confine at Worcester. Still, however, the change in their condition, and consequently in their conduct, after arriving at Taunton, and enjoying the superior advantages of the new hospital, was most striking and most gratifying. Two hundred and two out of the two hundred and ten patients enjoyed the full liberty of the hospital, and the free use of their limbs, from the moment of their arrival. Not a single one was confined in a "strong room." Nine were occasionally restrained by being shut up in their ordinary chambers, or wore the camisole, or leathern straps, a few days at a time. One unfortunate woman only had to have her hands confined most of the time,

though even she is now free. Among the patients transferred were three who had been confined in strong rooms during the whole of the three last months passed in Worcester, and six who had been confined a third of the time. Now, *every one* of these men were left perfectly free, and have remained so, and have done no harm to themselves or others.

These facts, added to that of the confinement in prisons of so many lunatics innocent of crime, prove the truth of what was said above, that Massachusetts has been and is treating lunatics in a manner that would be indictable at common law in England.

In 1853, a man named William Robert was tried at the Carnarvonshire Summer Assizes for having kept his brother, a lunatic, needlessly confined with a chain in a room about the dimensions of our strong rooms at Worcester. There was no cruel *intent* proved or even alleged; there was no stint of food; the man was in good health, and fat; he was kept as well, perhaps, as his relatives knew how to keep him; and yet Robert was found guilty of "unlawfully confining and imprisoning his brother in an improper, excessive and cruel manner," and he was himself condemned to one month's imprisonment.

Lord Chief Justice Campbell, in his charge to the jury, distinctly stated the principle, that the use of restraint *greater in degree, more severe in character, or longer in duration*, than is necessary for the security and care of a lunatic, is an offence at common law, and indictable as such.

Massachusetts is a sovereign State, and will not answer the summons of any earthly court. She cannot be mulcted in damages; and there is no prison large or strong enough to hold her. But there is a higher court before which she *is* arraigned continually; whose sentence she cannot escape; but which she must execute upon herself. The plea, that she had no cruel intent, will avail but little, and that of ignorance can no longer be made. If, in her hospitals, jails, houses of correction, and almshouses, the helpless insane continue to be subjected to greater privation of freedom and to greater suffering, than are absolutely necessary for their care and safekeeping, she will be continuing in wrong doing, and must suffer the heavy pen-

alty of a condemning conscience, or the heavier penalty of lack of conscience to condemn.

The Trustees, anxious to prevent any relapse into the old system, under any pressure of a crowd, or under any supposed necessity, and aware, moreover, of the temptation which the existence of "strong rooms" offers to attendants to get rid of the trouble of watching patients, by confining them under bar and bolt, have directed the demolition of most of these offensive cells, and the construction of comfortable sitting rooms in their place. They trust that their successors will persevere in the work, and that, in future, no seclusion and no mechanical restraint will be used here, for the treatment of the insane, except in those rare cases where solitude is required, or where the patient must be restrained, either by men's hands or by instruments, and in which the latter is the least objectionable.

REMEDY FOR DEFECTS. IMPROVEMENTS, ETC.

The Trustees having thus commented upon several imperfections of the Hospital, without, however, exhausting the subject, may, of course, be expected to propose some effectual remedy therefor. This they did in a memorial to the legislature at its last session. To this memorial they now refer, with the remark, that additional experience, observation and reflection, have confirmed them in the opinions there set forth.

They showed that there are many important defects in the establishment, which are radical and irremediable, and which must embarrass those who administer its affairs, and prevent them from doing so much for the cure and care of the insane as they might otherwise do.

First. That the site of the building has become a very unfavorable one, owing mainly to the rapid growth of the neighborhood. The once quiet village of Worcester has become a busy manufacturing city, and is rapidly encompassing the Hospital. Roads, streets, and rail-tracks run in front and rear, and across the premises, so that the patients cannot go to walk, or ramble in the fields and woods, without crossing some of them. They cannot even stroll quietly in their own grounds and gardens with any privacy and quiet. They are subject to the observation of the curious, and the rudeness of the indiscreet.

Now, the noise and din, the hurry and bustle, of an enter-

prising manufacturing town, the busy streets, the swift succession of passers by, the rush of cars, and the shriek of steam whistles, may be pleasant and useful to certain patients; they may furnish a desirable excitement; but the Hospital should be so placed that such patients can have access to them, without being so placed that none can escape from them.

Second. The memorial showed that the sewerage is very imperfect, and that, owing to the situation of the land, no feasible method had been found for carrying off the waste water from the building. This is received into the gardens; and there some of it is absorbed, and some is evaporated, while some remains stagnant at certain seasons, so that the air must be more or less vitiated.

Third. That the structure of the main building is, for this age, very bad. It has five kitchens, instead of one central one. It is inconvenient in many respects. It lacks the many conveniences and appliances which experience has shown to be important in the administration of such establishments, and conducive to the comfort and well being of the patients. Owing to the want of height between the floors, and to other radical defects, it cannot be so modified as to meet the advanced requirements of the times.

Fourth. That the arrangements for ventilation were never sufficient, and that, owing to structural defects in the building, they can never be made so. There is not sufficient volume of air in the wards; and it cannot be kept pure without changing it so rapidly as to create almost a gale of wind. The evil has been much lessened by arrangements adopted this season, but it cannot be completely abated.

Fifth. That the arrangements for warming the building are imperfect and insecure. The building has already been on fire several times! The risk of fire is still greater than prudent persons ought, unnecessarily, to run. It is greater than careful men of business would run in a manufactory filled with valuable merchandise.

These reasons were deemed sufficient to warrant a recommendation to the legislature that the grounds and buildings should be sold, and a new building erected upon a suitable site in the immediate neighborhood. This recommendation the Trustees distinctly made, and they endeavored to enforce it by other considerations, such as that—

First. If the old building is to be continued in use, the State is bound, by considerations of safety of the patients, to introduce a secure and efficient apparatus for warming. The best one yet tried, and which would be applicable to the building, is a steam apparatus, and this would cost from sixty to seventy-five thousand dollars.

Second. The real estate of the present Hospital would sell for at least one hundred thousand dollars more than the cost of a suitable site for a building and a good farm in the neighborhood. There would be a saving of one hundred and seventy-five thousand dollars, so that there could be no weighty objection on the lower considerations of economy, to what is called for by higher considerations of humanity; to wit, the erection of a new hospital in all respects worthy of the State.

The Trustees might further enforce this recommendation by many considerations, the result of the last year's experience and observation, but they will close by quoting, from a high authority, a passage very much to the point.

The Commissioners in Lunacy, in their last Report to the British Parliament, July, 1854, after speaking of their endeavors to improve the condition of hospitals, conclude thus:—

"We regret to say that our endeavors in this respect are, in several of these institutions, opposed by great difficulties, some arising from defects in the original construction of the buildings, and others from an adherence to certain errors in management and treatment, which, in the best conducted establishments for the insane, are condemned, and have now become obsolete.

"Indeed, so formidable are the difficulties in the way of advancement, in old and badly situated hospitals, that, in those instances where improvements have been attempted, *large sums of money have sometimes been spent without adequate results.* In such cases, the *only effectual* mode of overcoming all obstacles to improvement appears to be, to abandon the old buildings, and erect new buildings on eligible sites; a course which has already been taken at Manchester and Stafford, and about to be adopted at Nottingham."

In consequence of the memorial of the Trustees, the legislature, at its last session, appointed a Commission to consider the matter, and also to ascertain the number, condition and wants of the insane in the Commonwealth, and to report upon the subject generally.

This Commission has performed its arduous task with remarkable skill and success. There has, probably, never been collected, in any large community, such a mass of minute,

thorough, and reliable information, concerning the number and condition of the insane, as has been gathered by this Commission, excepting, perhaps, that gathered by the eminent Quetelet in Belgium.

They have ascertained the names, age, sex and condition of over twenty-four hundred insane persons, and of more than one thousand idiotic persons.

This information will soon be spread before the legislature; and will show the pressing necessity of further and immediate provision for the insane of the Commonwealth.

The Trustees have had several interviews with the Commissioners, and, after earnest consideration of the subject, have coincided with them in the following conclusions :—

That there is urgent need of more accommodations for the insane, and that, therefore, a new Hospital should be erected immediately in the western part of the State.

That the new Hospital should be constructed for no more than two hundred and fifty patients.

That final action upon the question of the disposition to be made of the property at Worcester, and the erection of a new building in that neighborhood, (though the questions deserve serious attention,) should be deferred until after the Western Hospital is completed.

That further alterations and improvements shall be made in the old building, by means of funds now in the hands of the Trustees, and the inconveniences and evils be borne as they best can be, in view of their effectual remedy within a few years.

It is partly in consequence of having come to these conclusions that the Trustees have directed several alterations and improvements in the old building and grounds.

Respectfully submitted by

S. G. HOWE,
REJOICE NEWTON,
JAMES B. CONGDON,
LINUS CHILD,
HENRY MORRIS,
Trustees.

WORCESTER, December, 1854.

TREASURER'S REPORT.

To the Trustees of the State Lunatic Hospital:—

The Treasurer respectfully reports:—

That the balance of cash in his hands on the 30th November, 1853, was . . .	$23,131 85
Since which time to the 30th of November, 1854, he has received	
From the Commonwealth, for the support of Lunatic Paupers, the sum of . . .	19,108 84
From cities, towns, and individuals, . .	32,736 52
From the Steward of the Hospital, for articles sold, ...	344 27
For interest on Worcester and Nashua Railroad Bond, a legacy of Ziba Storrs, . .	30 00
	$75,351 48

The Expenditures of the year have been as follows:—

For Wages and Labor, ...	$11,543 98
Improvements and Repairs, . . .	3,645 44
Furniture, ...	1,333 82
Clothing, ...	1,626 90
Flour, 457 barrels, ...	4,820 12
Rye and Corn Meal, ...	1,586 78
Biscuit, ...	236 99
Coffee, 3,691 pounds, ...	494 09
Tea, 1,158 "	387 28
Sugar, 25,549 "	1,760 10
Rice, 2,701 "	139 73
Molasses, 1,149 gallons, ...	351 81
Beef and Pork, 62,414 pounds, . . .	4,845 98

For Fish, salt, 11,000 pounds,	$402 49
" fresh, 3,865 "	204 81
Poultry, 670 pounds,	73 70
Bacon, 5,470 "	531 04
Potatoes, 1,885 bushels,	1,273 99
Beans and Peas,	41 13
Butter, 26,138 pounds,	4,958 58
Cheese, 1,631 "	175 76
Apples, 1,670 bushels,	836 13
Dried Apples,	73 51
Fresh Fruits,	211 36
Small Groceries, Spices, &c.,	108 54
Vinegar and Cider,	68 82
Lard, 1,329 pounds,	155 89
Salt, $49.22; Saleratus, $37.21,	86 43
Wood, 278 cords,	1,982 50
Charcoal, 2,692 bushels,	335 59
Hard Coal, 1,577,420 pounds,	5,544 65
Straw,	254 30
Whale Oil,	151 91
Lime and Cement, $73.57; Potash, $118.70,	192 27
Starch, $29.20; Hops, $39.10; Soap, $42.63,	110 93
Gas Light and Repairs,	667 90
Medical supplies,	193 46
Postage, $40.26; Freight, $78.25,	118 51
Books, Stationery and Blank Books,	181 46
Trustees' expenses,	299 00
Expenses charged to Patients,	72 47
Expenses on account of Elopers,	76 89
Sexton's bills,	170 15
Expense of removals to Taunton Hospital,	63 71
2 Cows, $75; 3 pair Oxen, $430; pasturing, $25,	530 00
Land purchased of Samuel Putnam,	175 00
Miscellaneous items,	125 61
	$53,221 51
Balance of Funds,	22,129 97
Consisting of a note of the Massachusetts Cotton Mills, dated July 11, 1854, $15,000 00	

Cash deposited in Worcester B'nk,	$4,879 03	
Cash deposited in Central Bank,	2,002 02	
Cash in the Treasurer's hands, .	248 92	
		$22,129 97
In addition to which the Treasurer holds a bond of the Worcester and Nashua Railroad Co., .		500 00
		$22,629 97

SAMUEL JENNISON, *Treasurer.*

WORCESTER, December 20, 1854.

Examined and found correct.

JAMES B. CONGDON, *Auditing Committee.*

January 15, 1855.

SUPERINTENDENT'S REPORT.

Twenty-second Annual Report of the Superintendent to the Trustees of the State Lunatic Hospital.

GENTLEMEN:—The interesting facts and events that have occurred in this institution the past year are herewith presented. The health of the inmates generally has, perhaps, never been better. There has been but very little acute disease, and nothing like an epidemic, among our household. By the timely transfer, to the kindred institution in this State, of two hundred and ten patients, the remainder were saved from the contaminating influence of an excessively crowded house during the warm weather. By order of the governor, we conveyed to the Second Hospital for the Insane in Taunton, on Friday, the 7th of April, and on each of the five succeeding Fridays, a car load of patients. By an arrangement of the railroads, an extra engine took a car filled with some thirty-five patients, and from two to five attendants, and ran to meet the connecting train. There was no accident, and, indeed, no difficulty, in the transfer. The patients were mostly of a very orderly class, and they were gratified with the ride. The patients selected by the Governor were those from that section of the State, and from the counties of Norfolk, Suffolk, and Middlesex—being one hundred and five of each sex. During this time, our number of patients was reduced from five hundred and fifty-nine to three hundred and forty-three. This reduction took off no more than the overplus, and left this Hospital quite full, but not crowded. The relief thus afforded us was seized upon to paint and fit up several of our wards. But more desirable to us than for any thing else, it gave us a possible chance to abandon nine strong rooms that had been daily used, ever since the institution was opened, for the violent and filthy males, and also to disuse, forever I trust for that purpose, eight rooms in the basement of the north old wing,

for the same class of females. These seventeen rooms have not been occupied at all, for seven months past, by patients, but they have been converted to other uses. They were never proper for the purposes they were designed and put to; and, of late years, they were used only from what we thought absolute necessity.

Abandoning these ill-contrived rooms, and reducing the number of our patients to about the capacity of the institution, has lessened our cares and responsibilities, while we have been enabled thereby to improve very materially the general appearance of the institution and condition of its inmates.

The improvement in the ventilation, which, under the direction of the Hon. Jonathan Preston, has, in part, been effected, and which will soon be finished, will render our wards still more healthful and pleasant. We know that one fruitful source of the just odium this Hospital has received the last year or two arose, in a great degree, from its crowded wards, another from its defective ventilation. The atmosphere of apartments occupied by the healthy, we all know, becomes vitiated soon, unless frequently changed. The air of the wards of hospitals becomes vitiated, not only by respiration, but by diseased secretions of the sick. At this Hospital, the same room that is used as the sitting-room by day is made the dormitory at night. The means of ventilating the sleeping apartments in this Hospital are undoubtedly much more ample than they are in the greater part of the private dwellings in this State. But still, for a hospital, the means here are deficient. Besides the window in each room, these means of ventilation consist of an opening over the door, about eight inches by thirty, into the gallery, into which the warm air of the furnaces is diffused. Leading from each room, ventiducts, opening in the attics, are constructed in the partition walls. These ducts are about four inches square. In most of the rooms there are two of these ducts—one from near the bottom, and one from near the top. In those rooms that have but one duct, that one is about four inches and a half square. This improvement consists in continuing these ventiducts as they come up to the attic, each story by itself, in wooden boxes, into a main shaft near the chimney, into an enlargement of which, recently altered for that purpose, this main shaft enters,

and there the foul air from the rooms below comes in contact with the nine-inch cast-iron smoke-pipe of the furnace in the basement. Where it was not convenient to collect these ducts into a brick chimney, Collins's Ventilators, thirty inches in diameter, have been placed on the roof for that purpose. Heretofore, the foul air that came up through these ducts into the attic diffused itself through the whole attic, seeking an open window to escape, or to find another duct in which the current was reversed by some means. It has been not at all uncommon to find the current up in one duct, and down another, in the same wing of the Hospital at the same time. When the wind is strong against one side of the Hospital, and windows open on the opposite side, it is not unfrequent that the air rushed up the windward ducts, and down the leeward ones. In ducts in the outer walls of brick buildings, the current of air in winter is often down, and in summer up; because, in winter, the walls and ducts are colder than the air inside, and in the summer the duct is often warmed by the direct rays of the sun on the outside, and the air in the duct is rarefied and raised. The internal partitions, when of brick, become colder in summer than the surrounding atmosphere, and condense it, and the current in flues in them is often down. The smell of soot, from chimneys unused in summer, is from the same cause. It is supposed that this change in the mode of ventilation will increase the quantity of foul air that will pass off, by increasing the currents, and render less liable the foul air to return to the wards again after it has been carried to the attics, by conveying it more directly to the Collins's Ventilators or to the tops of the chimneys. The foul air, after it gets into the chimneys, comes in immediate contact with the cast-iron smoke-pipe, which, by its heat of the furnace for six months or more in the year, will keep up a constant current upwards in the ducts below. The external winds, the harder they strike upon the Collins's Ventilators, will so much the more increase the currents in those ducts that are collected in them. The fixtures described above refer to the ducts that start from the bottom of each room. The flues that start from the top of the rooms open into the attic yet, and in extreme cold weather will be closed, to enable us to warm the wards sufficiently. All the water closets recently renewed are ventilated down-

wards, which is also a decided improvement upon the old movable pan. One new sewer has been laid down, and another has been covered over a hundred feet farther from the building. Other of the drains need covering, which can be done early in the ensuing spring; when, also, the piggery should be removed, from the place it has occupied for twenty-two years, to one more remote from the buildings. When the wind is easterly, these pens have been offensive from their proximity.

TABULAR VIEW.

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital from Dec. 1, 1853, to Nov. 30, 1854, inclusive.

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1833.											
2	Jan. 22	58	Male	Widow'r	Religious, . . .	17 years	The Court	21 yrs 10 mths	Remains	Stationary	Hereditary.	Homicide.
27	Feb. 28	36	do	Married	Intemperance, . .	5 do	do	21 yrs 9 mths	do	Improved	Pauper from Ireland.	
133	Oct. 19	33	Female	do	Fever, ...	2 do	do	20 yrs 6 mths	Disch'rg'd	do		
	1834.											
190	March 22	40	Male	do	Jealousy, . . .	3 do	do	20 yrs 2 mths	do			
209	April 30	29	do	Single	Unknown, . . .	6 do	do	20 yrs 7 mths	Remains	Stationary	Hereditary.	Homicide.
	1835.											
319	May 12	45	Female	Married	Family Trouble, . .	1 do	do	19 yrs	Disch'rg'd		do	
367	Oct. 1	32	Male	Single	Fever, ...	4 do	do	19 yrs 11 mths	do	do		
	1836.											
431	May 3	29	Female	do	Ill health, . . .	5 do	do	18 yrs 6 mths	Remains	do	do	
	1837.											
532	Feb. 8	62	Male	Marri[illegible]	Fever, ...	6 do	do	18 yrs 2½ mths	Disch'rg'd		Pauper from Ireland.	
582	May 26	37	Female	Single	Love affair, . .	6 m'nths	The Friends	17 yrs 7 mths	Remains	do	Hereditary.	
612	Aug. 5	60	do	do	Family trouble, . .	10 years	The Court	16 yrs 6 mths	Died	Cong'n Lungs	do	
680	Dec. 1	61	Male	Widow'r	Loss of property, . .	22 do	do	17 yrs	Remains	Stationary		
	1838.											
719	Feb. 15	20	Female	Single	Unknown, . . .	Unkn'wn	do	16 yrs 9 mths	do	do		
789	June 24	31	Male	do	Ill health, . . .	2 years	do	15 yrs 10 mths	Disc h' l			
876	Dec. 28	24	do	do	Unknown, . . .	3 do	do	16 yrs	Remains	do	Hereditary.	
	1839.											
895	March 1	30	Female	do	Ill health, . . .	2 do	The Overseers	15 yrs 9 mths	do	do	do	
910	April 17	54	do	Widow	Family trouble, . .	2 m'nths	The Court	15 yrs 8 mths	do	do	do	
954	July 1	29	Male	Single	Masturbation, . .	5 years	do	14 yrs 9 mths				Periodical.
973	Aug. 5	33	do	do	do	9 do	do	15 yrs 3 mths	do	do		
	1840.											
1078	March 28	29	do	do	Love affair, . . .	4 m'nths	do	14 yrs 8 mths	do	do	Pauper. Colored.	
1092	April 21	26	Female	do	Ill health, . . .	6 years	do	14 yrs 7 mths	do	do		
1115	June 13	27	Male	do	Exposure to wet, .	2 m'nths	do	13 yrs 10 mths			Hereditary.	
1144	Aug. 12	50	Female	do	Ill health, . . .	8 years	do	14 yrs 4 mths	do	do	do	Periodical.

1156	Sept. 4	40	Male	Married	Unknown, . . .	2 do	The Court	14 yrs 3 mths	Remains	Improved	Pauper from England.	
	1841.											
1228	March 3	32	do	Single	do	3 years	do	13 yrs 9 mths	do	Stationary	do do	Connectic't.
1239	April 3	32	Female	Married	do	5 do	do	13 yrs 8 mths	do	do	do do	Ireland.
1243	do 10	68	do	Widow	Family trouble, . .	1 m'nth	The Friends	13 yrs	Died	Lung Fever		Periodical.
1252	do 29	31	do	Married	Ill health, . . .	2 do	do	13 yrs 8 mths	Remains	Improved		
1279	July 1	24	Male	Single	Masturbation, . .	5 years	The Court	12 yrs 11 mths	Disch'rg'd		do do	Ireland.
1317	Sept. 11	58	Female	Widow	Ill health, . . .	12 do	do	12 yrs 7 mths	do		Hereditary.	
1319	do 15	23	do	Single	Unknown, . . .	1 year	do	13 yrs 3 mths	Remains	Stationary		
	1842.											
1390	Jan. 24	29	Male	do	Masturbation, . .	6 do	do	12 yrs 11 mths	do	do	do	
1409	Feb. 28	30	do	do	Unknown, . . .	2 do	do	12 yrs 10 mths	do	do	do	
1423	March 30	67	do	do	do	30 do	do	12 yrs 9 mths	do	do	do	
1455	May 24	22	do	do	Masturbation, . .	4 do	do	11 yrs 1 mths	Disch'rg'd		do	Periodical.
1480	July 14	35	do	Married	Unknown, . . .	3 m'nths	do	12 yrs 4 mths	Remains	do	Pauper from Ireland.	
1481	do 15	36	do	Single	do	13 years	do	12 yrs 4 mths	do	do		
1531	Oct. 11	40	do	do	do	13 do	do	12 yrs 2 mths	do	do	Hereditary.	
1535	do 17	28	do	do	Masturbation, . .	5 do	do	12 yrs 5 mths	Died	Lung Fever	Pauper from Maine.	
1565	Dec. 7	22	do	do	do	3 m'nths	do	12 yrs	Remains	Improved	do do	Ireland.
	1843.											
1580	Jan. 6	32	do	do	Love affair, . . .	2 years	do	11 yrs 6 mths	Disch'rg'd		Hereditary.	
1583	do 15	28	do	do	Masturbation, . .	6 do	do	11 yrs 11 mths	Remains	Stationary		
1600	Feb. 23	50	do	Married	Religious, . . .	6 m'nths	do	10 yrs 2 mths	Disch'rg'd			Periodical.
1655	May 18	50	Female	Single	Unknown, . . .	1 year	do	11 yrs 7 mths	Remains	do	Pauper from Ireland.	
1696	July 15	35	do	Married	Ill health, . . .	2 do	do	11 yrs 5 mths	do	do		
1702	do 21	42	do	do	Unknown, . . .	2 do	do	10 yrs 10 mths	Disch'rg'd		do do	do
1710	Aug. 8	32	do	Widow	Loss of husband, . .	6 do	do	9 yrs 9 mths	do		Hereditary.	
1772	Nov. 16	29	Male	Single	Masturbation, . .	7 do	do	11 yrs 1 mth	Remains	do		
1777	do 29	60	do	Married	Pecuniary trouble, .	15 do	do	11 yrs	do	do	Pauper from England.	
1778	Dec. 1	57	do	Single	Unknown, . . .	20 do	The Overseers	10 yrs 5 mths	Disch'rg'd		Hereditary.	Periodical.
	1844.											
1804	Jan. 9	22	do	do	do	3 do	The Court	10 yrs 11 mths	Remains	Improved	Hereditary.	
1846	April 7	44	do	Married	Religious, . . .	1 do	do	10 yrs 8 mths	do	do		
1852	do 15	25	do	Single	Unknown, . . .	4 m'nths	do	10 yrs	Disch'rg'd			
1853	do 15	45	do	Married	Intemperance, . .	2 years	do	9 yrs	do		Pauper from England.	
1873	May 8	27	do	Single	Hard Study, . .	2 do	do	10 yrs 7 mths	Remains	Stationary	do do	New York.
1902	June 20	27	do	do	Love affair, . . .	1 week	do	10 yrs 6 mths	do	do	do do	Maine.
1933	Aug. 3	57	Female	Widow	Religious, . . .	2 do	do	9 yrs 9 mths	Disch'rg'd		do Colored.	Periodical.
1934	do 5	45	Male	Single	Intemperance, . .	5 do	do	9 yrs 6 mths	Died	Jaundice		
1935	do 5	26	Female	do	Unknown, . . .	10 days	do	10 yrs 4 mths	Remains	Stationary		Periodical.

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1844.											
1939	Aug. 10	36	Female	Single	Unknown, . . .	Unkn'wn	The Court	9 yrs 9 mths	Disch'rg'd		Pauper from New York.	
1955	do 27	38	do	Married	do	6 years	do	10 yrs 4 mths	Remains	Stationary	do do	Ireland.
1980	Oct. 1	23	Male	Single	Masturbation, . .	2½ do	do	9 yrs 7 mths	Disch'rg'd		do do	Maine.
1981	do 2	36	Female	Married	Unknown, . . .	5 do	do	10 yrs 2 mths	Remains	do		
1985	do 12	46	do	do	do	2 do	do	10 yrs 2 mths	do	do		
1997	do 24	30	do	do	do	3 do	do	9 yrs 5 mths	Disch'rg'd			
2014	Dec. 2	31	Male	Single	do	20 do	The Overseers	10 yrs	Remains	do		
2030	do 17	35	do	do	Intemperance, . .	12 do	The Court	9 yrs 4 mths	Disch'rg'd			Periodical.
2031	do 17	30	do	do	Masturbation, . .	10 do	do	9 yrs 11 mths	Remains	do	Pauper.	
2038	do 26	30	do	do	Unknown, . . .	3 do	do	9 yrs 11 mths	do	do		
	1845.											
2047	Jan. 8	21	do	do	Masturbation, . .	6 do	do	9 yrs 11 mths	do	do		
2048	do 9	29	do	do	do	4 m'nths	The Friends	9 yrs 11 mths	do	do		
2052	do 18	40	Female	Married	Unknown, . . .	10 years	The Court	8 yrs 2 mths	Disch'rg'd			
2053	do 20	45	Male	do	Intemperance, . .	6 weeks	do	9 yrs 11 mths	Remains	do	Pauper from Ireland.	
2067	Feb. 17	30	do	Single	Masturbation, . .	4 years	do	9 yrs 2 mths	Disch'rg'd			
2083	March 8	34	do	do	Hard study, . .	1 do	do	10 yrs 9 mths	Remains	do	do	
2120	April 25	50	do	Married	Intemperance, . .	1 do	do	9 yrs	Disch'rg'd			
2122	do 26	48	do	Single	Fever, ...	20 do	do	8 yrs	do			Periodical.
2143	May 24	27	Female	do	Disappointed affection,	3 do	The Friends	8 yrs 10 mths	Death	Exhaustion		
2147	do 28	50	do	Widow	Hard labor, . . .	2 weeks	The Court	9 yrs	Disch'rg'		Pauper from Ireland. do	
2159	June 4	48	do	do	Family trouble, . .	6 m'nths	do	8 yrs 11 mths	do		do do	do
2160	do 6	30	do	Single	Unknown, . . .	Unkn'wn	do	8 yrs 11 mths	do		do do	do
2180	July 8	27	Male	do	Masturbation, . .	2 years	do	8 yrs 9 mths	do		do do	Germany.
2197	do 22	21	do	do	do	2 do	The Friends	7 yrs 5 mths	Remains	Stationary	Hereditary.	
2199	do 24	45	do	do	Intemperance, . .	6 do	The Court	8 yrs 6 mths	Disch'rg'd		Pauper from England.	
2202	do 26	28	do	Married	Jealousy, . . .	1 do	do	8 yrs 6 mths	do			
2207	Aug. 6	28	do	Single	Unknown, . . .	1 do	The Friends	8 yrs 10 mths	do			
2220	do 29	28	do	do	do	5 weeks	do	9 yrs 4 mths	Remains	do	Hereditary.	
2229	Sept. 8	27	Female	do	Masturbation, . .	3 years	The Court	9 yrs 3 mths	do	do	do	
2233	do 13	24	Male	do	Unknown, . . .	Unkn'wn	do	8 yrs 5 mths	Died	Consumption	Pauper from Ireland.	

2248	Oct.	1	25	Female	Single	Unknown, . . .	3 years	The Court	9 yrs	2 mths	Remains	Stationary	
2253	Oct.	4	60	Male	do	Paralysis, . . .	1 do	do	8 yrs	8 mths	Disch'rg'd		Pauper from Ireland.
2280	Nov.	3	30	do	do	Masturbation, . .	5 do	The Friends	9 yrs		Remains	do	
2295	do	15	30	Female	Married	Unknown, . . .	Unkn'wn	The Court	9 yrs		do	do	do do do
2310	Dec.	5	23	Male	Single	Ill health, . . .	2 years	The Friends	9 yrs		do	do	
2316	do	19	50	do	Married	Family trouble, . .	1 week	The Court	8 yrs	6 mths	Disch'rg'd		
2317	do	19	24	do	Single	Ill health, . . .	2 years	do	8 yrs	6 mths	do		
	1846.				do								
2340	Jan.	23	24	do		Unknown, . . .	6 m'nths	do	8 yrs	11 mths	Remains	do	do do Conn.
2376	March	12	25	Female	do	do	6 do	do	8 yrs	1 mth	Disch'rg'd		do do Germany
2394	do	31	38	Male	Widow'r	Stimulants, . . .	7 do	do	8 yrs	9 mths	Remains	do	
2412	April	18	26	do	Single	Disappointment, . .	1 week	The Friends	8 yrs	8 mths	do	do	Periodical.
2415	do	23	35	Female	do	Epilepsy, . . .	1 m'nth	The Court	8 yrs		Disch'rg'd		Pauper from Nova Scotia.
2419	May	11	48	Male	Married	Unknown, . . .	Unkn'wn	The Friends	8 yrs	7 mths	Remains	do	Periodical.
2423	do	12	38	do	do	Religious, . . .	15 m'nths	The Court	7 yrs	11 mths	Disch'rg'd		Pauper from Ireland.
2429	do	19	30	Female	do	Loss of property, .	8 do	do	7 yrs	11 mths	do		Hereditary.
2442	June	10	20	do	Single	Unknown, . . .	Unkn'wn	do	8 yrs				Pauper from Ireland.
2444	do	10	26	do	do	do	2 m'nths	do	8 yrs	6 mths	Remains	do	do do do
2467	July	3	33	do	do	Drying an ulcer, . .	2 do	do	7 yrs	8 mths	Disch'rg'd		do do do
2483	do	15	32	Male	Married	Religious, . . .	6 years	do	7 yrs	10 mths	do		Hereditary.
2509	Aug.	27	20	do	Single	Masturbation, . .	2 do	The Friends	7 yrs	8 mths	do		
2510	do	28	24	Female	Married	Unknown, . . .	10 days	The Court	8 yrs	3 mths	Remains	do	Pauper from Ireland.
2518	Sept.	9	60	do	do	Religious, . . .	18 m'nths	do	7 yrs	7 mths	Disch'rg'd		do do New Hamp.
2527	do	21	45	do	Unk'wn	Unknown, . . .	Unkn'wn	do	7 yrs	8 mths	do		do
2532	do	23	30	Male	Single	do	3 years	do	7 yrs	9 mths	do		
2544	Oct.	5	29	do	Married	Jealousy, . . .	4 m'nths	do	8 yrs	2 mths	Remains	Stationary	do do Ireland. }
2570	Nov.	5	19	do	Single	Masturbation, . .	2 years	do	8 yrs	1 mth	do	do	Homicidal. }
	1847.				Married								
2600	Jan.	19	42	do		Unknown . . .	7 m'nths	do	7 yrs	4 mths	Disch'rg'd		do do Germany.
2604	do	22	32	do	Single	do	Unkn'wn	do	7 yrs	4 mths	do		do do Ireland.
2634	March	17	35	Female	do	Took cold, . . .	7 years	do	7 yrs	1 mth	do		Periodical.
2645	April	16	44	do	Married	Unknown, . . .	2 m'nths	The Friends	7 yrs	7 mths	Remains	do	Hereditary.
2673	May	14	26	Male	Unk'wn	do	Unkn'wn	The Court	7 yrs	6 mths	do	do	Pauper from Vermont.
2687	June	8	35	do	Single	do	1 year	do	7 yrs	6 mths	do	do	Periodical.
2708	July	16	52	do	Widow'r	Epilepsy, . . .	5 do	do	6 yrs	9 mths	Disch'rg'd		Pauper from France.
2709	do	16	28	do	Single	do	Unkn'wn	do	6 yrs	9 mths	do		do do Ireland.
2710	do	16	60	Female	Unk'wn	Unknown, . . .	do	do	6 yrs	9 mths	do		do do do
2725	do	27	25	Male	Single	Epilepsy, . . .	6 years	do	6 yrs	9 mths	do		Periodical.
2740	Aug.	19	28	Female	do	Unknown, . . .	2 do	do	7 yrs	3 mths	Remains	do	Pauper from Ireland.
2747	Sept.	2	40	do	Married	Opium eating, . .	10 do	The Friends	7 yrs	3 mths	do	Improved	Hereditary.

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1847.											
2778	Oct. 5	43	Female	Single	Unknown, . . .	4 days	The Friends	6 yrs 9 mths	Disch'rg'd		Hereditary.	Periodical.
2785	do 16	25	do	do	do . . .	Unkn'wn	The Court	6 yrs 7 mths	do		Pauper from Ireland.	
2788	do 16	22	Male	do	do . . .	do	do	6 yrs 9 mths	Death	Lung Fever	do do	do
2791	do 18	19	do	do	Paralysis, . . .	18 years	do	7 yrs 1 mth	Remains	Stationary		
2802	do 29	27	Female	do	Unknown, . . .	6 m'nths	do	7 yrs 1 mth	do	do	do do	do
2808	Nov. 9	46	Male	Married	do . . .	8 years	do	6 yrs 6 mths	Disch'rg'd			Periodical.
2816	do 18	68	Female	Single	Ill health, . . .	6 m'nths	The Friends	7 yrs	Remains	do		
2832	Dec. 9	22	Male	do	Msturbation, . .	4 years	The Court	6 yrs 11 mths	do	do	Pauper from Maine.	
2839	do 21	43	do	do	Intemperance, . .	14 m'nths	do	6 yrs 11 mths	do	Improved		
	1848.											
2860	Jan. 8	37	Female	do	Hard study, . .	1 year	The Friends	6 yrs 10 mths	do	do		
2875	Feb. 2	51	do	do	Disappointed affection,	31 do	do	6 yrs 10 mths	do	Stationary	Hereditary.	
2890	do 17	47	do	do	Property, . . .	6 m'nths	do	6 yrs 10 mths	do	do	do	
2914	April 10	20	Male	do	Ill health, . . .	5 do	The Court	6 yrs 8 mths	do	do	Pauper from Germany.	
2931	May 4	19	Female	Single	Unknown, . . .	2 years	do	6 yrs	Disch'rg'd		do do	Ireland.
2933	do 8	29	do	Married	do . . .	8 m'nths	do	6 yrs 7 mths	Remains	do	do do	do
2945	June 1	28	do	Single	do . . .	10 days	do	6 yrs 6 mths	do	do	do do	Germany.
2958	do 14	33	do	do	do . . .	18 m'nths	do	5 yrs 10 mths	Disch'rg'd		do do	do
2971	July 3	43	Female	Married	do . . .	1 week	do	6 yrs 4 mths	do	do	Hereditary.	
2976	do 6	35	Male	Single	Masturbation, . .	2 years	do	5 yrs 10 mths	do			
2981	do 11	24	Female	do	Ill health, . . .	5 do	The Friends	6 yrs 4 mths	Remains	do		
2986	do 17	48	Male	Married	Unknown, . . .	5 do	The Court	5 yrs 10 mths	Disch'rg'd			
2993	do 25	36	Female	do	Ill health, . . .	5 do	The Friends	5 yrs 10 mths	do		do	
3001	Aug. 8	32	do	do	Unknown, . . .	4 do	The Court	5 yrs 8 mths	do		do	
3004	do 11	35	do	Single	Indulgence of anger,	15 do	The Overseers	7 yrs 9 mths	do			
3016	do 22	40	Male	Married	Unknown, . . .	2 do	The Court	5 yrs 9 mths	do			Periodical.
3019	do 24	26	Female	do	do . . .	2 do	do	5 yrs 8 mths	do		Pauper from Maine.	do
3040	Sept. 18	30	Male	Single	do . . .	3 m'nths	do	6 yrs 2 mths	Remains	Improved	do do	Ireland.
3042	do 20	56	do	Widow'r	do . . .	10 do	do	5 yrs 8 mths	Disch'rg'd		do do	do
3044	do 21	33	Female	Married	do . . .	6 weeks	do	5 yrs 6 mths	do			
3054	Oct. 6	39	Male	do	do . . .	3 years	do	5 yrs 8 mths	do			

3056	do	16	49	Female	do	do	1	do	do	5 yrs	7 mths	do		Periodical.
3059	do	20	38	do	Single	do	1	do	do	7 yrs	9 mths	Death	Apoplexy	
3065	do	25	30	do	do	Measles,	28	do	The Friends	6 yrs	1 mth	Remains	Stationary	
3076	Nov.	14	64	Male	Married	Ill health,	2	do	do	6 yrs		do	do	Hereditary.
3082	do	28	35	do	Single	Unknown,	5 m'nths		The Court	5 yrs	5 mths	Disch'rg'd	Improved	do
3083	do	29	21	do	do	do	20	do	do	5 yrs	4 mths	do		
3084	do	29	31	Female	Married	Ill health,	12	do	do	5 yrs	4 mths	do		Pauper from Germany.
3085	Dec.	1	37	do	do	do	12	do	do	6 yrs		Remains	Stationary	
	1849.													
3108	Jan.	18	31	do	do	Unknown,	2 years		do	5 yrs	3 mths	Disch'rg'd		do Periodical.
3114	do	23	30	do	Single	do	2	do	do	5 yrs	10 mths	Remains	do	Pauper from Ireland.
3120	Feb.	9	30	Male	do	Epilepsy,	8	do	The Friends	5 yrs	10 mths	do	do	Periodical.
3122	do	10	26	Female	do	Disappointment,	1	do	The Court	5 yrs	10 mths	do	do	Pauper from Ireland.
3125	do	13	57	do	Widow	Domestic affliction,	6	do	do	5 yrs	10 mths	do	do	
3129	do	19	25	Male	Single	Unknown,	1	do	The Overseers	5 yrs	3 mths	Disch'rg'd		Periodical.
3133	do	23	60	do	do	do	17	do	The Court	5 yrs	7 mths	Eloped		
3138	March	2	57	Female	Married	Ill health,	20	do	do	5 yrs	9 mths	Remains	do	do
3145	do	13	45	Male	Single	Unknown,	15	do	The Friends	5 yrs	8 mths	do	do	Hereditary.
3146	do	13	33	Female	Widow	Loss of friends,	Unkn'wn		The Court	5 yrs	1 mth	Disch'rg'd		Pauper.
3175	April	9	32	Male	Single	Unknown,	1 year		do	5 yrs	8 mths	Remains	do	do from Ireland.
3181	do	19	42	do	do	Sun struck,	10	do	do	5 yrs		Disch'rg'd		Hereditary.
3187	May	1	32	Female	do	Unknown,	1	do	do	5 yrs		do		Periodical.
3191	do	12	28	Male	do	do	4 m'nths		do	5 yrs	7 mths	Remains	do	
3192	do	14	20	Female	do	do	3	do	do	5 yrs	6 mths	do	do	Pauper from Ireland.
3196	do	17	40	do	Married	Puerperal,	6	do	do	5 yrs	6 mths	do	do	do do do
3211	June	8	27	do	Single	Unknown,	3	do	do	3 yrs	11 mths	Disch'rg'd		Hereditary. Periodical.
3228	do	25	31	do	do	Hard labor,	3 years		do	5 yrs	5 mths	Remains	do	do
3229	do	26	21	Male	do	Sun struck,	2 weeks		do	4 yrs	11 mths	Disch'rg'd		Pauper from Ireland.
3242	July	9	30	do	do	do	1 year		do	5 yrs	5 mths	Remains	do	do do do
3243	do	11	38	do	do	Unknown,	6 weeks		do	4 yrs	9 mths	Disch'rg'd		do do do
3244	do	12	55	Female	Unk'wn	do	12 years		do	5 yrs	10 mths	do		do do do
3247	do	16	40	Male	do	do	Unkn'wn		do	5 yrs	4 mths	Remains	do	do do do
3260	do	24	35	Female	do	do	do		do	5 yrs	4 mths	do	do	do do do
3261	do	27	38	Male	Single	Epilepsy,	10 years		do	4 yrs	6 mths	Disch'rg'd		Periodical.
3268	Aug.	1	50	do	Married	Intemperance,	1 m'nth		The Overseers	4 yrs	10 mths	do		
3275	do	10	40	Female	Unk'wn	Unknown,	Unkn'wn		The Court	5 yrs	3 mths	Remains	do	
3277	do	14	30	do	Single	Ill health,	2 years		do	5 yrs		Disch'rg'd	do	
3290	do	31	60	Male	Married	Unknown,	2	do	The Overseers	5 yrs	6 mths	Remains	do	Periodical.
3293	Sept.	4	65	Female	Widow	Domestic affliction,	6	do	The Court	4 yrs	9 mths	Disch'rg'd		Pauper from England. do
3296	do	10	38	do	Single	Love affair,	4 m'nths		do	5 yrs	3 mths	Remains	do	

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1849.											
3304	Sept. 20	23	Female	Single	Ill health, . . .	3 m'nths	The Court	5 yrs 3 mths	Remains	Stationary		Periodical.
3306	do 20	50	do	Married	Unknown, . . .	7 do	do	3 yrs 5 mths	Disch'rg'd	do	Pauper from Ireland.	
3315	Oct. 3	23	do	Single	Epilepsy, . . .	9 years	do	5 yrs 2 mths	Remains	do	Hereditary.	
3333	Nov. 5	26	Male	do	Love affair, . . .	6 do	do	5 yrs 1 mth	do	do	Pauper from Maine.	
3334	do 6	21	Female	do	Unknown, . . .	Unkn'wn	The Friends	5 yrs 1 mth	do	do	Hereditary.	
3338	do 12	38	do	do	do . . .	1 day	The Court	4 yrs 6 mths	Died	Consumption	Pauper from Ireland.	
3346	do 16	48	Male	Married	do . . .	1 year	do	4 yrs 6 mths	Disch'rg'd		do do	do
3354	do 23	22	do	Single	Masturbation, . .	4 do	do	3 yrs 5 mths	do			
3357	do 27	49	do	do	Love affair, . . .	8 do	do	5 yrs	Remains	Stationary		
3363	Dec. 8	24	Female	do	Religious excitement, .	1 m'nth	do	5 yrs	do	do	do	do New York.
3365	do 11	55	do	do	Unknown, . . .	10 years	do	4 yrs 11 mths	do	do		
3369	do 14	45	Male	Married	do . . .	8 m'nths	do	4 yrs 11 mths	do	do		
	1850.											
3378	Jan. 2	21	Female	Single	Masturbation, . .	2 years	Probate Court	4 yrs 7 mths	Died	Marasmus		
3380	do 3	23	Male	do	Disappointed affection,	6 m'nths	do	4 yrs 11 mths	Remains	Stationary		
3390	do 28	29	do	do	Unknown, . . .	Unkn'wn	do	4 yrs 2 mths	Died	Consumption	Hereditary.	Periodical.
3395	do 30	35	do	do	do . . .	do	do	4 yrs 10 mths	Remains	Stationary	Pauper from Ireland.	
3418	March 18	37	do	Married	do . . .	6 years	do	4 yrs 6 mths	Died	Asthma	Hereditary.	
3420	do 20	27	do	do	Fright, . . .	6 do	do	4 yrs 8 mths	Remains	Stationary		
3421	do 21	35	do	do	Unknown, . . .	2 do	do	4 yrs 2 mths	Disch'rg'd		Pauper.	
3427	April 2	35	Female	do	do . . .	5 do	do	4 yrs 8 mths	Remains	Improved	Hereditary.	
3430	do 5	65	Male	do	do . . .	15 do	do	4 yrs 8 mths	do	Stationary		Periodical.
3472	June 12	50	Female	do	do . . .	2 do	do	4 yrs	Disch'rg'd		Pauper from Ireland.	
3473	do 12	47	do	do	Turn of life, . .	6 m'nths	do	4 yrs	do		do do	do
3477	do 18	40	do	Single	Unknown, . . .	6 years	do	4 yrs	do			
3486	do 26	26	Male	do	do . . .	18 m'nths	do	3 yrs 10 mths	do		do do	do
3488	do 28	33	do	do	do . . .	18 do	do	4 yrs 5 mths	Remains	do		
3489	do 29	55	do	do	do . . .	25 years	do	3 yrs 6 mths	Died	Lung Fever		
3490	do 29	47	Female	do	do . . .	10 do	do	3 yrs 8 mths	do	Dropsy	Hereditary.	
3507	July 18	25	Male	do	Masturbation, . .	9 m'nths	do	4 yrs 4 mths	Remains	Stationary		
3510	do 22	35	do	do	Epilepsy, . . .	15 years	do	4 yrs 4 mths	do	do		

3515	do	29	31	Female	do	Home sickness,	4 weeks	do	4 yrs	4 mths	do	Improved	do			
3516	do	31	35	do	Married	Unknown,	3 years	do	3 yrs	9 mths	Disch'rg'd		Pauper from		Ireland.	
3528	Aug.	17	30	Male	Single	do	18 m'nths	do	3 yrs	8 mths	do		do	do	Italy.	
3529	do	17	24	do	do	Sun struck,	2 years	do	4 yrs	3 mths	Remains	Stationary	do	do	Ireland.	
3547	Sept.	7	50	Female	Married	Unknown,	10 do	do	3 yrs	9 mths	Disch'rg'd		do	do	do	
3554	do	14	50	Male	do	do	10 do	Munici'l Court	4 yrs	2 mths	Remains	do	do	do	do	
3555	do	14	22	do	Single	do	10 do	do	4 yrs	2 mths	do	do	do	do	do	
3565	Oct.	11	45	do	Married	Intemperance,	Unkn'wn	Probate Court	3 yrs	8 mths	Disch'rg'd		do	do	do	
3568	do	15	21	do	Single	Unknown,	1 year	Munici'l Court	3 yrs	7 mths	do		Hereditary.			
3587	Nov.	8	26	do	do	Masturbation,	18 m'nths	Probate Court	3 yrs	9 mths	do	Improved				Homicidal.
3590	do	18	17	do	do	Fracture of skull,	10 years	do	3 yrs	3 mths	Died	Epilepsy				
3595	do	21	30	do	Unk'wn	Unknown,	Unkn'wn	do	4 yrs		Remains	Stationary				
3597	do	23	37	do	Single	Epilepsy,	8 years	do	3 yrs	3 mths	Died	Epilepsy				Periodical.
3599	Dec.	2	70	Female	Widow	Unknown,	3 m'nths	do	4 yrs		Remains	Improved	Hereditary.			
3600	do	4	39	do	Married	Loss of child,	1 do	do	3 yrs	5 mths	Disch'rg'd					
3601	do	4	23	do	Single	Unknown,	Unkn'wn	do	4 yrs		Remains	do				
3602	do	4	29	Male	do	do	do	do	4 yrs		do	Stationary				
3604	do	7	35	do	Unk'wn	do	do	do	3 yrs	6 mths	Disch'rg'd	do				
3605	do	11	35	do	Single	do	2 years	The Overseers	4 yrs		Remains	do				
3613	do	28	23	Female	do	Followed fever,	20 do	The Friends	3 yrs	10 mths	do	do				
3616	do	31	43	do	do	Over-doing,	4 m'nths	do	3 yrs	10 mths	do	do				do
	1851.															
3623	Jan.	6	45	do	Married	Unknown,	6 years	The Overseers	3 yrs	10 mths	do	do	Hereditary.			
3645	Feb.	6	48	do	do	do	3 days	The Friends	4 yrs	2 mths	Disch'rg'd	do	do			Periodical.
3650	do	14	15	Male	Single	Fits,	2 years	Probate Court	4 yrs	3 mths	do					
3656	do	26	48	do	Married	Trouble in business,	2 do	do	3 yrs	2 mths	Died	Palsy				
3661	March	3	43	Female	do	Unknown,	1 m'nth	The Overseers	3 yrs	6 mths	Remains	Stationary	do			do
3669	do	12	20	do	Single	do	5 years	Probate Court	3 yrs	2 mths	Died	Consumption				
3670	do	12	20	do	do	do	1 do	do	3 yrs	1 mth	Disch'rg'd					
3704	April	30	22	Male	do	Ill health,	6 m'nths	do	3 yrs	2 mths	Remains	Stationary				
3714	May	10	28	do	Married	Domestic affliction,	2 do	do	4 yrs	7 mths	do					
3728	do	29	22	Female	Single	Unknown,	Unkn'wn	do	1 yr		Disch'rg'd	do				
3737	June	9	60	Male	Married	do	6 weeks	do	3 yrs	5 mths	Remains	do				
3738	do	10	24	Female	Single	do	1 year	The Overseers	3 yrs		Disch'rg'd					
3742	do	17	40	Male	do	do	2 do	Probate Court	2 yrs	10 mths	do					
3746	do	19	50	Female	Widow	do	6 do	do	2 yrs	10 mths	do					
3748	do	21	58	do	do	Ill health,	3 do	do	3 yrs	5 mths	Remains	do				
3749	do	23	40	do	do	Unknown,	2 m'nths	Munici'l Court	3 yrs		Disch'rg'd		do			do
3756	do	30	40	Male	Single	do	Unkn'wn	Probate Court	3 yrs	5 mths	Remains	Improved				
3760	July	3	46	do	Married	do	3 years	do	3 yrs	4 mths	do	do				

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1851.											
3761	July 3	21	Male	Single	Masturbation, . .	8 years	The Friends	3 yrs 4 mths	Remains	Improved		
3775	do 23	35	Female	Married	Lactation, . . .	1 do	Probate Court	2 yrs 9 mths	Disch'rg'd			
3781	do 28	35	Male	Single	Unknown, . . .	1 week	do	3 yrs 4 mths	Remains	do		
3785	Aug. 2	27	do	do	do . . .	2 do	do	3 yrs 4 mths	do	Stationary		
3793	do 15	27	do	do	do . . .	6 m'nths	Court C. Pleas	2 yrs 8½ mths	Disch'rg'd		Hereditary.	
3795	do 19	44	Female	do	do . . .	5 years	The Friends	3 yrs 3 mths	Remains	do	do	
3798	do 25	30	Male	Unk'wn	do . . .	20 days	Probate Court	3 yrs 3 mths	do	do		
3805	do 30	18	Female	Single	do . . .	1 m'nth	do	2 yrs 9 mths	Disch'rg'd			
3815	Sept. 12	24	do	do	Nymphomania, . .	2 weeks	do	3 yrs 2 mths	Remains	Improved		
3816	do 16	64	Male	Married	Intemperance, . .	1 year	The Friends	2 yrs 10 mths	Disch'rg'd	Stationary		
3817	do 23	40	do	do	Infidelity, . . .	3 do	Probate Court	2 yrs 8 mths	do	do		
3825	Oct. 9	22	Female	Single	Unknown, . . .	do	do	3 yrs 2 mths	Remains	do		
3827	do 14	37	Male	do	do . . .	4 weeks	Munici'l Court	3 yrs 6 mths	Disch'rg'd			Periodical
3830	do 15	18	do	do	Epilepsy, . . .	2 m'nths	do	2 yrs 7 mths	do	Stationary		do
3833	do 18	67	do	Widow'r	Religious, . . .	8 weeks	The Overseers	3 yrs 1 mth	Remains	do		
3836	do 22	35	Female	Married	Loss of property, .	1 year	Probate Court	3 yrs 1 mth	do	do		
3837	do 24	22	do	Single	Unknown, . . .	3 weeks	do	3 yrs 1 mth	do	do		
3845	Nov. 4	29	Male	do	do . . .	8 years	do	2 yrs 6 mths	Disch'rg'd			
3853	do 19	60	do	Married	Intemperance, . .	4 weeks	do	2 yrs 9 mths	Remains	do		
3857	do 25	40	do	Single	Unknown, . . .	6 m'nths	do	3 yrs 6 mths	do	do		
3858	do 25	72	Female	do	do . . .	23 years	The Friends	2 yrs 5 mths	Disch'rg'd			
3859	do 28	39	do	Married	Abuse of husband, .	3 do	Probate Court	3 yrs 5 mths	do			
3860	do 29	42	do	do	Unknown, . . .	3 weeks	The Friends	2 yrs 3 mths	do			
3865	Dec. 4	40	Male	do	Fits, ...	1 do	Probate Court	2 yrs 5 mths	do			
3868	do 6	31	do	Unk'wn	Unknown, . . .	years	do	2 yrs 5½ mths	do	Stationary		
3873	do 12	30	Female	Single	do . . .	14 do	do	3 yrs	Remains	do		
3875	do 15	23	Male	do	Epilepsy, . . .	12 do	do	3 yrs	do	do		Periodical.
3876	do 15	59	do	do	Unknown, . . .	6 weeks	do	3 yrs	do	do		
3877	do 16	40	do	Married	do . . .	2 do	do	2 yrs 11 mths	do	do		Homicidal.
3887	do 26	68	Female	Widow	do . . .	4 years	The Friends	3 yrs 7 mths	Disch'rg'd	do	Hereditary.	
3889	do 29	41	do	Unk'wn	do . . .	do	Probate Court	2 yrs 4 mths	do			

	1852.													
3890	Jan. 1	42	d	Married	Turn of life,	4 weeks	The Overseers	2 yrs 2½ mths	do					
3891	do 2	43	Male	Single	Unknown,	years	Probate Court	2 yrs 11 mths	Remains	do				
3892	do 3	45	Female	Married	do	14 do	The Friends	2 yrs 11 mths	do	do				
3899	do 14	44	do	Single	do	2 weeks	do	2 yrs 8 mths	Disch'rg'd	do	Hereditary.			
3902	do 21	22	Male	do	do	3 years	Sup. Ju. Court	2 yrs 11 mths	Remains	Improved	do	Homicidal.		
3905	do 23	26	Female	do	do	1 week	Probate Court	2 yrs 2 mths	Disch'rg'd			Periodical.		
3906	do 27	21	do	do	Desertion of lover,	7 m'nths	do	2 yrs 2 mths	do					
3907	do 27	45	do	do	Loss of property,	1 year	do	2 yrs	Died	Dysentery				
3908	do 28	30	Male	do	Intemperance,	1 m'nth	do	2 yrs 3 mths	Disch'rg'd					
3916	Feb. 9	20	do	do	Unknown,	3 do	do	2 yrs 3 mths	do					
3919	do 10	28	do	do	Fear,	4 do	do	2 yrs 2 mths	do					
3920	do 12	22	Female	do	Unknown,	2 do	do	2 yrs 9 mths	Remains	Improved		Periodical.		
3925	do 19	28	Male	Widow'r	Loss of wife,	2 do	do	2 yrs 9 mths	do	Stationary				
3934	March 3	30	do	S ngle	Unknown,	1 year	do	2 yrs 2 mths	Disch'rg'd		do	do		
3935	do 3	74	Female	Widow	Took cold,	2 m'nths	The Overseers	2 yrs 9 mths	Remains	do	do	do		
3936	do 5	37	do	Married	Puerperal,	2 years	Probate Court	2 yrs 8 mths	do	Improved				
3938	do 6	38	do	do	Unknown,	6 m'nths	do	2 yrs 8 mths	Disch'rg'd	do				
3941	do 14	32	do	Married	Domestic trouble,	15 do	do	2 yrs 8 mths	Remains	Stationary				
3944	do 15	22	Male	Single	Unknown,	6 weeks	Munici'l Court	2 yrs 8 mths	do	do				
3949	do 26	21	Female	do	do	2 do	Probate Court	2 yrs 1 mth	Disch'rg'd	Recovered				
3953	April 8	35	do	Married	Over-doing,	5 m'nths	do	2 yrs	do		do			
3955	do 12	35	Male	do	Loss of property,	10 days	do	2 yrs 7 mths	Remains	Stationary				
3957	do 17	30	do	do	Disappointed affection,	8 m'nths	do	2 yrs 7 mths	do	Improved				
3960	do 27	26	Female	do	Puerperal,	11 do	do	2 yrs	Disch'rg'd					
3961	do 30	25	Male	Single	Unknown,	1 year	do	2 yrs 7 mths	Remains	Stationary				
3962	May 1	23	do	do	do	3 weeks	do	2 yrs 6 mths	do	do				
3968	do 6	32	do	do	do	2 years	do	2 yrs	Disch'rg'd					
3970	do 6	40	do	do	do	3 weeks	The Friends	2 yrs	do	do				
3971	do 8	22	Female	do	Having fortune told,	2 m'nths	Probate Court	2 yrs 3 mths	do	Recovered				
3974	do 11	28	Male	do	Ill health,	years	The Overseers	2 yrs	do		do			
3977	do 12	22	Female	do	Unknown,	do	Munici'l Court	2 yrs	do					
3984	do 17	30	do	do	do	3 m'nths	do	1 yr 11 mths	do					
3987	do 19	23	do	Married	Ill treatment,	5 do	The Overseers	1 yr 9 mths	do	Stationary				
3990	do 20	45	Male	Single	Unknown,	3 years	Probate Court	2 yrs 6 mths	Remains	Improved	Hereditary.			
3992	do 25	20	do	do	Congenital,	20 do	do	2 yrs 4 mths	Died	Exhaustion				
3993	do 27	30	Female	Married	Unknown,	3 do	do	1 yr 10 mths	Disch'rg'd					
3996	June 2	48	do	Widow	do	3 m'nths	do	1 yr	do	Stationary		Periodical.		
4002	do 5	29	Male	Single	Ill health,	5 years	do	2 yrs 5 mths	Remains	do	do			
4003	do 7	47	do	Married	Epilepsy,	12 do	do	2 yrs 5 mths	do	do				

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1852.											
4006	June 8	45	Male	Married	Unknown, . . .	2 m'nths	Probate Court	1 yr 10 mths	Disch'rg'd	Recovered	Hereditary	
4013	do 14	33	Female	Single	Millerism, . . .	2 years	do	2 yrs 5 mths	Remains	Stationary		
4020	do 18	26	do	Married	Unknown, . . .	1 do	do	2 yrs 5 mths	do	Improved		
4021	do 18	35	do	do	Jealousy, . . .	6 weeks	do	1 yr 10 mths	Disch'rg'd			
4030	do 28	41	do	do	Unknown, . . .	20 years	Munici'l Court	1 yr 10 mths	do			Periodical.
4046	July 12	43	do	Widow	do . . .	Unkn'wn	Probate Court	1 yr 10 mths	do			do
4047	do 12	38	do	Married	do . . .	18 m'nths	do	2 yrs 4 mths	Remains	Stationary		do
4048	do 12	27	do	Single	do . . .	Unkn'wn	Munici'l Court	1 yr 9 mths	Disch'rg'd			
4050	do 13	60	do	Widow	do . . .	6 m'nths	Probate Court	2 yrs 4 mths	Remains	do		
4052	do 15	38	do	Single	do . . .	2 years	do	1 yr 10 mths	Disch'rg'd			
4056	do 20	29	Male	do	do . . .	do	Munici'l Court	1 yr 10 mths	do			
4059	do 22	38	Female	Married	do . . .	4 do	Probate Court	1 yr 10 mths	do			
4063	do 24	55	do	do	do . . .	2 do	do	2 yrs 4 mths	Remains	do		
4068	Aug. 2	67	Male	Single	do . . .	6 years	The Overseers	1 yr 9 mths	Disch'rg'd			do
4073	do 9	55	Female	Married	do . . .	4 m'nths	Probate Court	1 yr 6 mths	do		Hereditary.	
4075	do 9	38	Male	do	do . . .	years	Munici'l Court	2 yrs 3 mths	Remains	do		
4076	do 9	33	do	do	do . . .	Unkn'wn	do	1 yr 10 mths	Disch'rg'd	Improved		
4079	do 12	23	do	Single	do . . .	18 m'nths	Probate Court	1 yr 9 mths	do			
4081	do 12	22	Female	Married	Puerperal, . . .	9 weeks	do	1 yr 10 mths	do	do		
4083	do 17	14	Male	Single	Epilepsy, . . .	years	do	1 yr 8 mths	do			
4095	do 31	19	Female	do	Unknown, . . .	2 weeks	do	2 yrs 3 mths	Remains	Stationary		
4101	Sept. 6	38	do	Married	do . . .	2 years	Munici'l Court	1 yr 9 mths	Disch'rg'd			Periodical.
4107	do 16	50	do	do	Turn of life, . .	4 m'nths	Probate Court	2 yrs 2 mths	Remains	Improved		
4111	do 18	49	Male	do	Unknown, . . .	Unkn'wn	do	4 yrs	Disch'rg'd			
4112	do 18	32	do	Unk'wn	do . . .	do	Munici'l Court	2 yrs 2 mths	Remains	Stationary		
4116	do 25	69	do	Single	do . . .	1 m'nth	The Overseers	2 yrs 7 mths	do	Improved		Periodical.
4118	do 28	46	Female	Unk'wn	do . . .	Unkn'wn	Munici'l Court	1 yr 9 mths	Disch'rg'd			
4125	Oct. 5	30	do	Widow	do . . .	do	Probate Court	2 yrs 1 mth	Remains	do		
4131	do 12	30	do	do	Loss of children, .	2 years	do	1 yr 8 mths	Disch'rg'd			
4145	Nov. 5	43	Male	Single	Unknown, . . .	Unkn'wn	do	2 yrs 25 days	Remains	Stationary		do
4147	do 6	73	do	Unk'wn	do . . .	12 years	do	1 yr 5 mths	Disch'rg'd		Hereditary.	

4149	do	10	24	do	Single	do . . .	Unkn'wn	Court C. Pleas	1 yr	6 mths	do				
4154	do	11	30	do	Married	do . . .	13 m'nths	Probate Court	2 yrs	19 days	Remains	do			
4155	do	11	50	Female	Widow	do . . .	3 do	do	2 yrs	19 days	do	do			
4156	do	13	25	Male	Single	do . . .	5 do	do	1 yr	5½ mths	Disch'rg'd				
4159	do	19	37	Female	Married	Puerperal, . . .	1 do	The Overseers	2 yrs	11 days	Remains	Improved			
4161	do	20	40	Male	Single	Unknown, . . .	years	Munici'l Court	2 yrs	10 days	do	Stationary			
4162	do	20	40	do	Married	do . . .	Unkn'wn	do	2 yrs	10 days	do	do			
4164	do	20	24	do	do	do . . .	do	do	2 yrs	10 days	do	Improved	do		
4165	do	20	22	do	do	do . . .	do	do	2 yrs	10 days	do	do			
4168	do	26	34	do	Single	do . . .	3 weeks	Probate Court	1 yr	8 mths	Disch'rg'd	do	do	do	
4169	do	26	43	Female	Unk'wn	do . . .	Unkn'wn	do	2 yrs	4 days	Remains	Stationary			
4172	Dec.	4	25	do	Single	Epilepsy, . . .	8 years	do	2 yrs		do	do			
4174	do	8	37	do	do	Unknown, . . .	5 weeks	do	1 yr	6 mths	Disch'rg'd				
4180	do	14	30	Male	Married	Hard labor in hot room,	3 do	do	1 yr		Died	Consumption			
4183	do	20	50	do	Single	Unknown, . . .	Unkn'wn	Court C. Pleas	1 yr	4 mths	Disch'rg'd				
4187	do	23	77	do	Married	do . . .	6 m'nths	The Overseers	1 yr	11 mths	Remains	Stationary	Suicidal.		
	1853.														
4196	Jan.	8	40	Female	Single	do . . .	Unkn'wn	Probate Court	1 yr	10 mths	do	do			
4197	do	11	48	Male	Married	Pecuniary, . . .	years	The Overseers	1 yr	10 mths	do	do			
4199	do	16	75	do	do	Unknown, . . .	m'nths	do	1 yr	2 mths	Disch'rg'd	Recovered			
4202	do	18	19	Female	Single	Love affair, . . .	Unkn'wn	Probate Court	1 yr	1 mth	do	do			
4209	do	29	29	do	do	Religious, . . .	6 m'nths	do		11 mths	do	do	Hereditary.	do	
4213	do	31	41	Male	Married	Spirit-rappings, . .	2 years	do	1 yr	4 mths	do				
4214	Feb.	1	34	do	Single	Epilepsy, . . .	do	do	1 yr	10 mths	Remains	Stationary			
4215	do	2	26	do	do	Love affair, . . .	m'nths	do	1 yr	10 mths	do	do			
4217	do	2	28	Female	Married	Unknown, . . .	days	do	1 yr	3 mths	Disch'rg'd				Homicidal.
4218	do	7	50	do	Single	do . . .	3 weeks	do	1 yr	6 mths	do		Hereditary.		
4220	do	9	67	do	do	do . . .	Unkn'wn	The Overseers	1 yr	9 mths	Remains	Stationary			
4221	do	10	26	Male	do	do . . .	do	Probate Court	1 yr	9 mths	do	do			
4225	do	15	34	do	do	do . . .	years	do	1 yr	1 mth	Disch'rg'd	Improved			
4226	do	15	59	do	Married	do . . .	4 days	The Overseers	1 yr	9 mths	Remains	Stationary			Periodical.
4227	do	15	26	do	Single	Masturbation, . .	2 years	Probate Court	1 yr	2 mths	Disch'rg'd				
4228	do	15	50	Female	Widow	Loss of husband, .	4 days	do	1 yr		do	Recovered			do
4232	do	21	55	do	do	Ill health, . . .	2 weeks	do	1 yr	2 mths	do		do		do
4235	do	25	29	Male	Single	Masturbation, . .	years	do	1 yr	1 mth	do				
4240	March	4	21	do	do	Unknown, . . .	3 m'nths	do	1 yr	2½ mths	do				
4246	do	10	20	Female	do	do . . .	4 do	do	1 yr	2 mths	do	do			
4249	do	11	50	Male	Married	Spirit-rappings, . .	Unkn'wn	do	1 yr	10 mths	Remains	Stationary			
4255	do	19	34	do	Single	Unknown, . . .	1 year	do	1 yr	9 mths	do	Improved			
4256	do	22	33	do	do	do . . .	Unkn'wn	do	1 yr	5 mths	Disch'rg'd				

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1853.											
4261	March 28	35	Female	Single	Unknown, . . .	2 years	The Overseers	1 yr 9 mths	Remains			Periodical.
4275	April 11	30	do	Married	do	1 week	Munici'l Court	10 mths	Disch'rg'd	Recovered		
4278	do 12	36	Male	Single	Hard study, . .	17 years	Probate Court	1 yr .	do			
4281	do 16	40	do	Married	Giving up business, .	1 do	do	1 yr	do			
4283	do 20	25	do	Single	Unknown, . . .	2 m'nths	Munici'l Court	1 yr 1 mth	do			
4284	do 20	30	Female	do	do	Unkn'wn	do	1 yr 1 mth	do			
4286	do 20	23	do	do	do	do	do	1 yr	do	do		
4292	do 27	45	do	do	do	do	Probate Court	1 yr 2 mths	Died	Marasmus		
4293	do 28	43	do	Married	Turn of life, . .	3 m'nths	do	1 yr 7 mths	Remains	Improved		
4294	do 28	35	do	Single	Unknown, . . .	2 weeks	do	9½ mths	Disch'rg'd			
4295	do 29	45	do	Unk'wn	do	Unkn'wn	do	1 yr 7 mths	Remains	Not improved		
4296	do 30	28	do	Married	Departure of husband,	1 year	do	14 mths	Disch'rg'd	Stationary		
4298	May 5	18	do	Single	Unknown, . . .	21 m'nths	do	1 yr 1 mth	do			
4302	do 9	36	Male	do	do	3 weeks	do	1 yr	do			
4303	do 9	34	do	do	do	2 m'nths	Munici'l Court	1 yr	do			
4305	do 9	34	Female	do	do	Unkn'wn	do	1 yr	do			
4307	do 11	43	do	Married	Puerperal, . . .	3 years	The Overseers	1 yr 7 mths	Remains	do		
4309	do 14	43	do	Widow	Hard work, . . .	years	Munici'l Court	10 mths	Disch'rg'd	Recovered	Hereditary.	
4311	do 16	40	Male	Married	Loss of money lent, .	1 week	Probate Court	11 mths	do			
4315	do 20	36	Female	Single	Unknown, . . .	years	do	11 mths	do			
4321	do 27	50	do	do	do	do	do	1 yr 6 mths	Remains	Stationary		Periodical.
4322	do 27	50	do	Widow	Ill health, . . .	do	The Overseers	1 yr	Disch'rg'd	do		
4323	do 27	35	do	Married	Unknown, . . .	do	Probate Court	6½ mths	do	Improved		do
4324	do 27	24	Male	Single	Loss of blood, . .	Unkn'wn	Court C. Pleas	1 yr 6 mths	Remains	do		
4325	do 31	50	Female	Married	Tumor, . . .	10 years	Probate Court	8 mths	Disch'rg'd	do		
4326	June 1	48	do	Single	Unknown, . . .	Unkn'wn	The Overseers	9 mths	do	Recovered	do	do
4328	do 6	23	Male	do	Masturbation, . .	3 years	Probate Court	1 yr 5 mths	Remains	Stationary		
4335	do 8	30	do	Married	Unknown, . . .	12 do	do	1 yr	Disch'rg'd	Recovered		
4337	do 11	19	Female	Single	Homesickness, . .	Unkn'wn	do	11 mths	do			
4338	do 13	38	do	Married	Unknown, . . .	4 m'nths	do	9 mths	Disch'rg'd	do		
4339	do 13	51	do	Unk'wn	do	Unkn'wn	Munici'l Court	11 mths	do			

4340	do	14	12	Male	Single	do	do	do		11 mths	do				
4341	do	14	55	do	Married	do	do	do		11 mths	do				
4343	do	14	22	Female	Single	do	do	do		11 mths	do				
4345	do	16	22	do	do	Religious, . . .	3 m'nths	Probate Court	1 do		do	do			
4348	do	18	53	Male	Married	Unknown, . . .	4 years	do		5½ mths	do	Not improved			
4349	do	23	38	Female	do	do	2 m'nths	do	1 yr	5 mths	Remains	do			
4351	do	24	44	do	do	Ill health, . . .	6 years	do		10 mths	Disch'rg'd				
4353	do	27	43	Female	do	Loss of property, . .	1 m'nth	do	1 yr	5 mths	Remains	Stationary			
4355	do	30	27	do	Single	Unknown, . . .	3 days	do	1 yr	5 mths	do	Improved			
4362	July	14	37	do	Married	Spirit rappings, . .	Unkn'wn	The Overseers	1 yr	3 mths	Disch'rg'd	do			
4363	do	14	26	do	do	Puerperal, . . .	2 weeks	Probate Court		8 mths	do	Stationary			
4364	do	15	28	Male	do	Unknown, . . .	Unkn'wn	do		8½ mths	do	Recovered			Periodical.
4365	do	15	30	do	Unk'wn	do	do	Munici'l Court		18 mths	do				
4366	do	16	25	do	Single	do	8 weeks	Court C. Pleas	1 yr		do	do			
4368	do	20	55	do	Married	do	years	Probate Court		7 mths	do	do			
4371	do	24	37	Female	Single	Ill health, . . .	Unkn'wn	The Overseers		8½ mths	do	do			
4373	do	27	23	Male	do	Loss of money, . .	2 years	Probate Court		9 mths	do	Improved			
4375	do	30	38	Female	Married	Unknown, . . .	1 m'nth	do		4 mths	do	Recovered			
4377	Aug.	5	37	Male	do	do	7 years	do		10 mths	do		Hereditary.		
4381	do	13	36	do	do	do	2 m'nths	do	1 yr		do	Improved			
4382	do	13	24	do	Single	Masturbation, . .	3 years	Court C. Pleas		8 mths	do				
4383	do	14	25	Female	do	Lovesick, . . .	Unkn'wn	Probate Court		9 mths	do	do			
4386	do	24	33	do	do	Unknown, . . .	do	The Overseers	1 yr	1 mth	do	Stationary			Periodical.
4387	do	25	27	do	Married	do	do	Munici'l Court		9 mths	do				
4388	do	26	56	Male	Widow'r	Fright, ...	10 years	The Overseers	1 yr	3 mths	Remains	do			
4389	do	27	67	Female	Married	Unknown, . . .	6 m'nths	Probate Court		6 mths	Disch'rg'd	Recovered			
4390	do	27	32	do	do	do	Unkn'wn	The Overseers		8 mths	do	Improved			
4394	Sept.	1	15	do	Single	do	3 m'nths	Probate Court	1 yr	3 mths	Remains	Stationary			
4395	do	2	39	do	Married	do	Unkn'wn	The Overseers	1 yr	3 mths	do	do			
4396	do	2	26	do	Single	do	10 days	Munici'l Court		9 mths	Disch'rg'd				
4397	do	3	32	do	Married	do	4 m'nths	do		5 mths	do	Improved			
4399	do	3	30	do	Single	do	1 do	Probate Court	1 yr	3 mths	Remains	Stationary			
4400	do	8	35	do	do	do	Unkn'wn	do		7 mths	Disch'rg'd				
4401	do	9	46	Male	Married	Injury of head, . .	1 week	do	1 yr	3 mths	Remains	do			do
4403	do	14	58	do	do	Domestic trouble, .	Unkn'wn	do	1 yr	2 mths	do	do			
4404	do	15	42	do	Single	Unknown, . . .	do	The Overseers		9 mths	Disch'rg'd	Recovered	do		do
4405	do	16	19	do	do	Followed fever, . .	8 m'nths	Probate Court	1 yr	2 mths	Remains	Stationary			
4406	do	16	23	do	do	Masturbation, . .	2 years	do		7 mths	Disch'rg'd		do		
4409	do	20	32	Female	Married	Unknown, . . .	10 m'nths	do	1 yr	2 mths	Remains	do			
4410	do	21	60	do	do	do	years	do		2½ mths	Disch'rg'd	Recovered			

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1853.											
4411	Sept. 22	17	Female	Single	Unknown, . . .	3 weeks	Probate Court	1 yr 2 mths	Remains	Stationary		
4412	do 22	46	Male	Married	Epilepsy, . . .	years	The Overseers	1 yr 2 mths	do	do	Hereditary.	
4413	do 23	25	Female	Single	Unknown, . . .	1 do	Probate Court	7 mths	Disch'rg'd	Recovered		
4414	do 23	33	do	Married	do . . .	do	The Overseers	1 yr 2 mths	Remains	Stationary		Periodical.
4415	do 24	32	do	do	do . . .	years	Probate Court	3½ mths	Disch'rg'd	Improved	do	
4416	do 24	26	Male	do	do . . .	Unkn'wn	do	3½ mths	do	do		do
4418	do 27	25	do	do	do . . .	2 weeks	do	5½ mths	do	Recovered	do	
4419	Oct. 1	45	Female	Single	Idiocy, . . .	Unkn'wn	The Overseers	1 yr	Died	Erysipelas		
4421	do 3	42	Male	Married	Unknown, . . .	4 weeks	Munici'l Court	2 mths	Disch'rg'd	Recovered		
4422	do 5	26	do	Unk'wn	do . . .	Unkn'wn	do	8 mths	do			
4424	do 6	30	do	Married	do . . .	1 year	Court C. Pleas	1 yr 3 mths	Remains	Stationary		
4425	do 8	36	Female	do	Husband's illness, .	2 m'nths	Munici'l Court	3 mths	Disch'rg'd	Recovered		do
4426	do 10	28	do	Single	Followed fever, .	6 years	do	7 mths	do			
4427	do 11	28	do	Widow	Ill health, . . .	4 do	Probate Court	1 yr 2 mths	Remains	Stationary		
4428	do 12	43	Male	Married	Religious, . . .	4 m'nths	The Overseers	10 mths	Disch'rg'd	do	do	
4429	do 15	26	do	Single	Hard study, . .	3 weeks	Probate Court	6½ mths	do	Recovered		
4430	do 18	35	Female	Married	Husband's illness, .	2 do	The Overseers	2½ mths	do	do		do
4431	do 19	30	do	do	Over exertion, .	3 years	Probate Court	1 yr 11 days	Remains	Stationary		
4432	do 24	19	do	Single	Unknown, . . .	Unkn'wn	do	7 mths	Disch'rg'd	Recovered		
4433	do 26	40	do	Married	do . . .	2 m'nths	do	1 yr 1 mth	Remains	Stationary		
4434	do 26	30	Male	Single	do . . .	3 do	do	6 mths	Disch'rg'd			
4435	do 28	37	Female	do	Spirit rappings, . .	2 years	Munici'l Court	7 mths	do			
4436	do 31	46	Male	Unk'wn	Unknown, . . .	Unkn'wn	Probate Court	1 yr 1 mth	Remains	do		
4437	Nov. 1	45	do	Married	Intemperance, . .	2 weeks	do	1 yr 1 mth	do	Improved		
4438	do 1	57	do	Widow'r	Unknown, . . .	6 years	do	7 mths	Disch'rg'd	Stationary		
4440	do 4	15	do	Single	Idiocy, . . .	15 do	do	1 yr 1 mth	Remains	do		
4441	do 4	25	Female	do	Unknown, . . .	6 weeks	do	3½ mths	Disch'rg'd	Recovered		
4442	do 5	59	do	Widow	do . . .	2 m'nths	do	2 mths	do	do		
4443	do 7	60	do	Married	do . . .	Unkn'wn	The Overseers	2½ mths	do	Improved	do	do
4444	do 7	45	do	Single	do . . .	4 m'nths	Probate Court	1 yr 1 mth	Remains	Stationary		do
4445	do 8	29	Male	do	Masturbation, . .	2 years	do	1 yr 1 mth	do	do		do

4446	do	12	76	Female	Widow	Unknown, . . .	12 years	The Overseers		7 mths	Disch'rg'd	Stationary			
4447	do	21	26	do	Married	do	5 m'nths	Munici'l Court	1 yr		Remains	do			
4448	do	22	25	do	do	do	8 m'nths	Probate Court		7½ mths	Disch'rg'd	Recovered			
4449	do	22	50	do	do	Turn of life, . . .	5 m'nths	do		1½ mths	do	do			
4450	do	22	27	Male	Single	Disap'nt'd in business,	2 years	do		4 mths	do	Improved			
4451	do	23	46	do	Married	Followed rheumatism,	13 m'nths	The Overseers		2½ mths	do	do			
4452	do	23	36	Female	do	Puerperal, . . .	2 weeks	Probate Court		1½ mths	do	Recovered			
4453	do	26	67	Male	do	Unknown, . [tion.	2 m'nths	do		11 mths	do	do			
4454	do	28	30	Female	do	Spirit rappings, or abor-	2 weeks	do		4 mths	do	Improved			
4455	do	28	30	do	do	Unknown, . . .	2 m'nths	do		6 mths	do				
4456	do	28	24	Male	Single	do . . .	8 years	do		5 mths	do	Stationary			
4457	do	29	55	do	Widow'r	do . . .	2 years	do	1 yr	1 mth	Remains	do			
4458	do	30	25	do	Single	do . . .	10 years	The Overseers		5 mths	Disch'rg'd	Transferred	do		
4459	Dec.	1	27	Female	do	Light reading, . .	1 year	Munici'l Court		5 mths	do	do			
4460	do	2	22	Male	do	Unknown, . . .	6 weeks	Probate Court		2 mths	do	Recovered			
4461	do	4	22	do	do	do . . .	3 years	The Overseers		4 mths	do	do			
4462	do	6	19	Female	do	do . . .	5 do	Probate Court		4 mths	do	Transferred			
4463	do	6	60	do	Widow	Domestic affliction, .	do	do	1 yr		Remains	Improved			
4464	do	6	20	do	Single	Death of sister, . .	2 days	do		4 mths	Disch'rg'd	Recovered	do		
4465	do	7	55	do	Widow	Palsy, ...	1 m'nth	Munici'l Court		2½ mths	Died	Marasmus			
4466	do	7	24	do	Single	Unknown, . . .	10 days	Probate Court		4 mths	Disch'rg'd	Transferred			do
4467	do	8	47	do	Married	do . . .	1 m'nth	do		4 mths	do	Recovered			do
4468	do	9	20	do	Single	do . . .	9 do	do		8 mths	do	Improved			
4469	do	9	18	do	do	do . . .	do	do	1 yr		Remains	Stationary			
4470	do	10	24	do	do	do . . .	1 do	do	1 yr		do	Improved			do
4471	do	12	35	Male	Married	Fright, ...	4 do	do		2½ mths	Disch'rg'd	Recovered			
4472	do	14	26	do	Single	Masturbation, . .	7 years	The Overseers		2½ mths	do	Stationary			
4473	do	14	40	Female	do	Unknown, . . .	do	Probate Court	1 yr		Remains	do			
4474	do	14	45	Male	do	Disappointed affection,	12 do	The Overseers		4 mths	Disch'rg'd	Transferred			
4475	do	15	30	Female	Married	Loss of child, . .	1 week	Probate Court		10 mths	do	Recovered			
4476	do	15	40	Male	Unk'wn	Unknown, . . .	1 year	do	1 yr		Remains	Improved			
4477	do	20	23	Female	Married	Epilepsy, . . .	2 do	do		2½ mths	Disch'rg'd	Stationary	do		
4478	do	26	40	do	Single	Unknown, . . .	1 m'nth	do	1 yr		Remains	do	do		do
4479	do	27	40	Male	Married	do . . .	1 week	do		1 mth	Disch'rg'd	Recovered	do		do
4480	do	27	45	Female	do	do . . .	1 do	do		11½ mths	do	do			do
4481	do	28	30	Male	Single	do . . .	6 m'nths	do		2½ mths	Died	Erysipelas			
	1854.														
4482	Jan.	3	42	Female	Unk'wn	do . . .	12 years	Sup. Ju. Court		11 mths	Remains	Stationary			
4483	do	4	45	Male	Single	Intemperance, . .	2 m'nths	Probate Court		4 mths	Disch'rg'd	Transferred			
4484	do	4	27	Female	do	Unknown, . . .	2 weeks	do		11 mths	Remains	Stationary			

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1854.											
4485	Jan. 5	45	Female	Married	Unknown, . . .	2 years	Probate Court	3 mths	Disch'rg'd	Transferred		Periodical.
4486	do 5	42	Male	do	do	2 do	do	11 mths	Remains	Stationary		
4487	do 6	13	do	Single	Scarlatina, . . .	2 do	do	3 mths	Disch'rg'd	do		
4488	do 6	44	Female	Married	Intemperance, . .	3 years	do	3 mths	do	Transferred		do
4489	do 6	57	do	Widow	Ill health, . . .	2 do	do	4 mths	do	Recovered		
4490	do 9	45	do	Single	Unknown, . . .	1 week	The Overseers	4 mths	do	do	Hereditary.	do
4491	do 10	30	do	Married	Ill health, . . .	1 year	Probate Court	4 mths	do	Transferred		
4492	do 11	21	Male	Single	Masturbation, . .	2 m'nths	do	2½ mths	do	Recovered	do	
4493	do 13	63	do	Widow'r	Unknown, . . .	20 years	The Overseers	11 mths	Remains	Improved	do	
4494	do 14	30	do	Single	Masturbation, . .	2 do	do	6 mths	Disch'rg'd	Stationary		
4495	do 14	50	Female	Married	Religious, . . .	1 m'nth	Munici'l Court	11 mths	Remains	Not improved	do	
4496	do 15	43	Male	do	Followed fever, . .	1 year	Probate Court	4 mths	Disch'rg'd	do		
4497	do 16	59	do	do	Intemperance, . .	3 do	do	10 mths 14 dys	Remains	Stationary		
4498	do 18	57	Female	do	Unknown, . . .	6 weeks	do	3 mths 15 dys	Disch'rg'd	Recovered	do	
4499	do 18	32	do	do	Gestation, . . .	1 m'nth	do	1 mth 10 dys	do	Stationary		
4500	do 18	45	Male	do	Unknown, . . .	2 days	The Overseers	10 mths 12 dys	Remains	Improved		
4501	do 21	35	Female	do	do . . .	5 m'nths	Probate Court	10 mths 10 dys	do			
4502	do 21	22	Male	Single	Love affair, . . .	1 week	do	6 mths	Disch'rg'd	Not improved		
4503	do 24	30	do	Unk'wn	Unknown, . . .	1 m'nth	do	2 mths 9 dys	do	Improved		
4504	do 24	26	do	Single	do . . .	18 do	do	10 mths 7 dys	Remains	Stationary	do	
4505	do 26	56	do	Married	Religious, . . .	2 weeks	do	1 mth	Disch'rg'd	Improved	do	
4506	do 31	66	Female	Widow	Followed fever, . .	3 m'nths	do	6 mths 15 dys	do	Recovered		
4507	Feb. 2	32	do	Single	Epilepsy, . . .	years	do	3 mths	do	Transferred		
4508	do 4	19	do	do	Ill health, . . .	2 weeks	do	3 mths	do	do	do	
4509	do 6	23	Male	do	Unknown, . . .	2 do	The Overseers	2 mths	do	Recovered		do
4510	do 8	25	do	do	Hard study, . . .	2 do	Probate Court	3 mths 15 dys	do	Transferred		do
4511	do 10	28	Female	Married	Ill health, . . .	6 m'nths	do	5 mths	do	Recovered		
4512	do 10	16	Male	Single	Unknown, . . .	3 do	The Overseers	4 mths	do	do		
4513	do 11	21	Female	do	Disappointment, . .	3 do	Munici'l Court	9 mths 20 dys	Remains	Stationary		
4514	do 13	34	Male	Married	Unknown, . . .	1 year	Probate Court	5 mths 15 dys	Disch'rg'd	do		
4515	do 13	25	Female	Single	do . . .	2 m'nths	do	3 mths	do	Recovered		

4516	do	17	20	Male	do	do	Unkn'wn	Munici'l Court	16 dys	do	Improved			
4517	do	18	25	do	do	do	1 year	Probate Court	2 mths	do	Recovered			Homicidal.
4518	do	18	42	do	Married	do	4 m'nths	Munici'l Court	2 mths 15 dys	do	Transferred			
4519	do	20	26	Female	do	Epilepsy,	3 years	Probate Court	2 mths	do	Recovered			
4520	do	20	39	do	Single	Unknown,	1 do	do	10 mths	Remains	Improved			Periodical.
4521	do	22	17	Male	do	do	6 m'nths	do	4 mths	Disch'rg'd	Recovered			
4522	do	24	29	do	Married	Religious,	6 weeks	do	3 mths	do	Transferred	do		
4523	do	24	38	Female	Single	Unknown,	years	Munici'l Court	2 mths 15 dys	do	do			
4524	do	27	20	Male	do	Followed measles,	1 week	Probate Court	23 dys	do	Recovered			
4525	March	1	50	Female	Widow	Unknown,	years	do	2 mths 15 dys	do	do	do		
4526	do	8	26	do	Married	Gestation,	1 m'nth	do	5 mths	do	do	do		do
4527	do	10	26	do	do	Vicious habits,	1 do	The Overseers	2 mths 15 dys	do	do			
4528	do	11	28	do	Single	Ill health,	2 do	Munici'l Court	1 mth	do	Transferred	do		
4529	do	11	33	do	Married	Over-exertion,	1 week	Probate Court	1 mth	do	Recovered			
4530	do	11	41	Male	Single	Idiotic,	41 years	do	1 mth	do	Transferred			
4531	do	14	69	Female	do	Ill health,	4 m'nths	do	9 mths 16 dys	Remains	Improved			do
4532	do	15	40	Male	do	Unknown,	16 years	The Overseers	9 mths 15 dys	do	do			
4533	do	15	28	Female	do	Loss of sister,	1 m'nth	Munici'l Court	4 mths	Disch'rg'd	Recovered			do
4534	do	16	45	do	Married	Unknown,	1 do	Probate Court	3 weeks	do	Transferred			
4535	do	17	17	Male	Single	Injury,	3 years	Munici'l Court	7 mths	do	Stationary			
4536	do	18	26	do	Married	Unknown,	1 week	The Overseers	3 mths	do	Recovered			do
4537	do	20	27	Female	do	Puerperal,	2 do	Munici'l Court	1 mth	do	do			
4538	do	21	39	do	Single	Religious,	3 m'nths	Probate Court	1 mth 15 dys	Died	Exhaustion			do
4539	do	22	25	do	Married	Unknown,	6 do	Munici'l Court	1 mth 15 dys	Disch'rg'd	Transferred			
4540	do	22	28	do	Single	do	1 do	do	1 mth 15 dys	do	do			
4541	do	22	25	do	Married	do	2 do	do	2 mths	do	Recovered			
4542	do	22	35	do	Single	do	Unkn'wn	do	1 mth 15 dys	do	Transferred			
4543	do	22	35	do	Married	do	do	do	3 mths	do	Recovered			
4544	do	22	40	do	Single	do	4 m'nths	do	1 mth	do	Transferred			
4545	do	22	40	do	do	do	6 do	do	2 mths	Died	Exhaustion			
4546	do	22	50	do	Widow	Loss of child,	2 do	do	1 mth	Disch'rg'd	Transferred			
4547	do	22	40	do	Married	Unknown,	1 do	do	1 mth 15 dys	do	Recovered			
4548	do	22	40	Male	Single	do	2 do	do	9 mths 9 dys	Remains	Improved			
4549	do	22	27	do	do	do	7 do	do	1 mth	Disch'rg'd	Transferred			
4550	do	24	18	do	do	do	2 do	Probate Court	3 mths	do	Recovered			
4551	do	27	52	Female	Married	Ill health,	1 week	do	3 mths	do	do			
4552	do	27	44	Male	do	Unknown,	1 do	do	2 mths 15 dys	do	do			do
4553	do	29	53	Female	do	Followed fever,	4 m'nths	do	4 mths 15 dys	do	do			
4554	do	29	55	Male	Single	Unknown,	3 do	do	1 mth	do	do			Periodical.
4555	April	1	40	do	Married	Anxiety,	6 weeks	The Overseers	22 dys	do	do			

TABLE—*(Continued.)*

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	1854.											
4556	April 6	42	Female	Married	Religious, . . .	1 year	Munici'l Court	2 mths 15 dys	Disch'rg'd	Recovered		
4557	do 6	28	do	do	Puerperal, . . .	4 m'nths	Probate Court	1 mth	do	Transferred		
4558	do 6	40	do	do	Loss of daughter, .	18 do	do	4 mths	do	Recovered	Hereditary.	
4559	do 7	40	do	Widow	Hard labor, . . .	2 years	do	1 mth	do	Transferred		
4560	do 7	26	do	Single	Love affair, . . .	5 m'nths	Munici'l Court	1 mth	do	Stationary		
4561	do 7	28	do	do	Unknown, . . .	5 days	do	7 mths 15 dys	Remains	Improved		
4562	do 8	40	do	Married	Drying up of ulcer, .	2 m'nths	The Overseers	7 mths 15 dys	do	Not improved		Periodical.
4563	do 8	26	Male	Single	Unknown, . . .	5 years	Probate Court	1 mth	Disch'rg'd	Transferred		
4564	do 10	21	Female	do	Love affair, . . .	6 m'nths	Munici'l Court	1 mth	do	do		
4565	do 12	44	do	do	Unknown, . . .	3 years	Probate Court	1 mth 15 dys	do	Recovered		
4566	do 13	42	do	do	Love affair and religion,	20 do	do	7 mths 15 dys	Remains	Not improved		
4567	do 14	30	Male	Married	Unknown, . . .	m'nths	do	1 mth	Disch'rg'd	Recovered		
4568	do 14	40	Female	Unk'wn	do . . .	Unkn'wn	do	7 mths 15 dys	Remains	Not improved		
4569	do 17	40	do	do	do . . .	do	Probate Court	17 dys	Died	Exhaustion		
4570	do 20	32	do	Single	do . . .	do	Munici'l Court	7 mths 10 dys	Remains	Improved		
4571	do 20	19	do	do	do . . .	2 m'nths	Probate Court	4 mths	Disch'rg'd	do		
4572	do 21	30	do	Unk'wn	do . . .	1 week	Munici'l Court	22 dys	do	Transferred		
4573	do 24	33	do	Single	do . . .	years	Probate Court	7 mths 7 dys	Remains	Not improved		
4574	do 24	25	do	Unk'wn	do . . .	Unkn'wn	do	7 mths 7 dys	do	Improved		
4575	do 27	47	Male	Married	Intemperance, . .	2 m'nths	The Overseers	14 dys	Disch'rg'd	Recovered		
4576	do 27	25	do	do	Unknown, . . .	Unkn'wn	do	1 mth	do	do		
4577	do 27	20	do	Single	do . . .	do	do	1 mth	do	do		
4578	do 27	30	Female	do	do . . .	do	Probate Court	7 mths 5 dys	Remains	Improved		
4579	do 28	45	Male	do	do . . .	years	Gov'rs warrant	7 mths 4 dys	do	Stationary		
4580	do 28	53	Female	Unk'wn	do . . .	do	do	7 mths 4 dys	do	do		
4581	do 28	37	do	Married	do . . .	do	do	7 mths 4 dys	do	do		
4582	do 28	26	do	Single	do . . .	do	do	7 mths	do	do		
4583	do 28	45	do	Unk'wn	do . . .	do	do	7 mths	do	do		
4584	do 28	36	do	Single	do . . .	do	do	7 mths	do	do		
4585	do 28	42	do	do	do . . .	do	do	7 mths	do	do		
4586	do 28	53	do	do	do . . .	do	do	7 mths	do	do		

4587	do	28	51	do	Married	do	do	do	7 mths		do	do			
4588	do	29	35	do	do	do	Unkn'wn	Munici'l Court		14 dys	Disch'rg'd	Transferred			
4589	May	2	69	do	do	Ill health,	9 weeks	The Overseers	5 mths		Died	Marasmus			
4590	do	5	18	do	Single	Unknown,	2 m'nths	Probate Court	6 mths		Remains	Improved			
4591	do	6	38	do	do	do	Unkn'wn	Munici'l Court		6 dys	Disch'rg'd	Transferred			
4592	do	8	25	do	Married	Ill health,	6 m'nths	Probate Court	1½ mths		do	Recovered			
4593	do	8	24	do	Single	do	1 year	do	6 mths		Remains	Not improved			
4594	do	8	25	do	Married	Lactation	6 do	do	6 mths		do	do			
4595	do	8	60	do	Single	Unknown,	Unkn'wn	do	6 mths		do	Improved			
4596	do	8	28	do	do	do	do	do	6 mths		do	Not improved			
4597	do	11	28	do	do	Religious,	5 weeks	Munici'l Court	6 mths		Died	Suicide			
4598	do	11	45	do	Married	Unknown,	1 year	The Overseers	3 mths		Disch'rg'd	Recovered			
4599	do	13	26	do	do	do	18 m'nths	Probate Court	3 mths		do	Improved	do		
4600	do	17	22	do	Single	do	5 weeks	do	6 mths	15 dys	do	Recovered		do	
4601	do	19	24	do	Married	Epilepsy,	10 years	do	5 mths	15 dys	Remains	Not improved			
4602	do	20	37	do	do	Ill health,	2 weeks	The Overseers	1 mth		Disch'rg'd	Recovered			
4603	do	20	37	do	do	Unknown,	1 year	Probate Court	2 mths		do	Stationary			
4604	do	20	30	Male	Single	do	1 do	do	5 mths	10 dys	Remains	Improved			
4605	do	20	40	Female	Married	Ill health,	2 weeks	The Overseers		20 dys	Disch'rg'd	Recovered			
4606	do	20	35	Male	do	Unknown,	2 m'nths	do	5 mths		do	do	do		
4607	do	26	16	do	Single	Epilepsy,	years	Probate Court	5 mths	4 dys	Remains	Stationary	do		
4608	do	27	50	do	Married	Unknown,	Unkn'wn	do		18 dys	Disch'rg'd	Recovered			
4609	do	30	40	Female	do	do	1 week	Munici'l Court	3 mths	15 dys	do	do			
4610	do	31	38	Male	do	Intemperance,	2 do	The Overseers		17 dys	do	do			
4611	June	1	33	do	Single	Masturbation,	2 years	Probate Court	1 mth	15 dys	do	do			
4612	do	2	20	do	do	do	2 do	The Overseers	5 mths		Remains	Stationary			
4613	do	4	35	Female	do	Epilepsy,	years	do	5 mths		do	do			
4614	do	6	27	do	do	Domestic affliction,	1 week	Munici'l Court		5 weeks	Disch'rg'd	Recovered			
4615	do	7	24	do	do	Religious,	1 m'nth	Probate Court	4 mths	23 dys	Remains	Not improved			
4616	do	7	19	do	Married	Domestic affliction,	2 weeks	do	3 mths		Disch'rg'd	Recovered			
4617	do	7	30	do	Single	Ill health,	4 m'nths	do	2 mths	15 dys	do	do			
4618	do	7	30	do	do	Followed fever,	5 do	do	2 mths	15 dys	do	Improved			
4619	do	7	58	Male	Widow'r	Pecuniary,	3 days	The Overseers	2 mths		do	Recovered			
4620	do	8	50	do	Married	Followed fever,	Unkn'wn	Munici'l Court	1 mth	15 dys	Died	Palsy			
4621	do	9	22	Female	Single	Disappointment,	2 m'nths	Probate Court	4 mths	20 dys	Remains	Improved			
4622	do	10	28	Male	do	Unknown,	Unkn'wn	Just. of Quor.		5 weeks	Disch'rg'd	Recovered			
4623	do	10	43	do	do	Intemperance,	years	Court C. Pleas	4 mths	20 dys	Remains	Stationary			
4624	do	10	30	do	do	Masturbation,	3 do	do	4 mths	20 dys	do	do			
4625	do	10	78	do	Married	Unknown,	3 m'nths	The Overseers	2 mths		Died	Diarrhœa		do	
4626	do	12	40	Female	Widow	Trouble,	1 do	Munici'l Court	6 mths		Disch'rg'd	Recovered			

TABLE—*(Continued.)*

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	1854.											
4627	June 13	41	Female	Married	Loss of daughter,	1 week	Probate Court	4 mths 17 dys	Remains	Not improved		
4628	do 14	46	do	do	Unknown,	3 years	do	4 mths 17 dys	do	Improved		
4629	do 15	40	do	do	do	2 do	do	4 mths 17 dys	do	do		
4630	do 16	24	Male	Single	do	1 do	The Overseers	2 mths	Disch'rg'd	do		
4631	do 16	18	Female	do	do	1 week	Probate Court	5 mths 15 dys	do	Recovered	Hereditary.	
4632	do 16	30	do	do	do	3 do	Munici'l Court	5 mths 15 dys	do	do		
4633	do 16	40	do	Unk'wn	do	Unkn'wn	do	5 mths 15 dys	Remains	Improved		
4634	do 21	20	do	Married	do	3 m'nths	Probate Court	3 mths	Disch'rg'd	Recovered		
4635	do 21	40	do	Single	do	3 years	do	5 mths 10 dys	Remains	Improved		
4636	do 21	38	do	Widow	do	1 do	do	5 mths 10 dys	do	do		
4637	do 22	34	Male	Single	Masturbation,	do	do	5 mths 9 dys	do	Stationary		
4638	do 22	78	do	do	Unknown,	30 do	Munici'l Court	5 mths 8 dys	do	Improved		
4639	do 22	38	do	Married	Intemperance,	2 days	Probate Court	20 dys	Disch'rg'd	Recovered		
4640	do 23	36	do	do	Unknown,	1 year	The Overseers	5 mths 7 dys	Remains	Stationary	do	
4641	do 24	37	Female	do	do	10 days	Munici'l Court	1 mth 15 dys	Disch'rg'd	Recovered		
4642	do 24	29	do	do	Ill health,	3 weeks	Probate Court	5 mths 7 dys	Remains	Improved		
4643	do 26	60	do	Widow	Loss of husband,	6 m'nths	do	5 mths 4 dys	do	Not improved		
4644	do 27	23	Male	Single	Unknown	do	Court C. Pleas	5 mths 3 dys	do	Stationary		
4645	do 27	17	Female	do	Fright,	13 years	Probate Court	5 mths 15 dys	Disch'rg'd	Recovered		
4646	do 29	53	Male	Married	Domestic affliction,	1 week	do	26 dys	do	Stationary		
4647	do 29	36	Female	do	Unknown,	5 years	do	5 mths 2 dys	Remains	Improved		
4648	do 30	55	do	Single	Fall,	2 years	The Overseers	3 mths 15 dys	Disch'rg'd	Recovered		
4649	do 30	24	do	do	Unknown,	18 m'nths	do	5 mths	do	Improved		
4650	July 3	66	Male	Widow'r	Loss of wife,	2 m'nths	Probate Court	5 mths	Remains	do		
4651	do 3	54	do	Married	Unknown,	years	The Overseers	5 mths	do	Not improved		
4652	do 3	34	Female	do	do	Unkn'wn	Probate Court	2 mths 15 dys	Disch'rg'd	Recovered		
4653	do 7	30	do	do	Puerperal,	3 m'nths	The Overseers	20 dys	do	Stationary		
4654	do 8	41	Male	Single	Unknown,	years	do	4 mths 22 dys	Remains	Improved	do	Periodical.
4655	do 8	42	Female	Married	do	Unkn'wn	Probate Court	4 mths 22 dys	do	do		
4656	do 11	21	Male	Single	Ill health,	4 m'nths	do	4 mths 20 dys	do	do		
4657	do 11	64	do	Married	do	6 do	do	4 mths 20 dys	do	do		

4658	do	18	35	Female	Single	Unknown,	15 years	The Overseers	4 mths 12 dys	do	do	do		do
4659	do	19	47	Male	Married	Trouble in business,	2 m'nths	Probate Court	2 mths 15 dys	Disch'rg'd	Improved			
4660	do	20	35	Female	Single	Unknown,	6 do	The Overseers	4 mths 10 dys	Remains	Not improved			
4661	do	21	43	do	Widow	do	3 weeks	Munici'l Court	4 mths 15 dys	Disch'rg'd	Recovered	do		do
4662	do	22	52	do	Married	Ill health,	3 m'nths	Probate Court	5 weeks	Died	Cancer			
4663	do	22	40	Male	do	Intemperance,	6 do	do	4 mths 15 dys	Remains	Improved			
4664	do	24	16	do	Single	Unknown,	2 years	The Overseers	4 mths 15 dys	do	Not improved			
4665	do	26	45	Female	do	do	Unkn'wn	do	4 mths	Disch'rg'd	Recovered	do		do
4666	do	27	38	do	Married	do	do	Probate Court	4 mths 10 dys	Remains	Not improved			
4667	do	28	32	Male	Single	do	3 m'nths	do	4 mths 10 dys	do	do			
4668	Aug.	2	29	do	do	Pecuniary,	2 do	do	4 mths	do	Improved			
4669	do	5	27	Female	Married	Puerperal,	2 do	do	2 mths	Disch'rg'd	Recovered			do
4670	do	7	19	do	Single	Love affair,	6 weeks	Munici'l Court	4 mths	Remains	Improved			
4671	do	7	36	do	Married	Unknown,	7 years	Probate Court	4 mths	do	do			
4672	do	9	18	Male	Single	Epilepsy,	do	do	4 mths	do	Stationary			
4673	do	15	37	do	Married	Intemperance,	2 weeks	The Overseers	4 mths	do	Improved			
4674	do	17	25	Female	do	Domestic affliction,	2 years	Probate Court	3 mths 15 dys	Disch'rg'd	do	do		
4675	do	17	48	do	do	Followed fever,	4 do	The Overseers	5 weeks	do	do			
4676	do	18	48	Male	Single	Wound on head,	36 years	Exec. warrant	3 mths 15 dys	Remains	Stationary			
4677	do	18	55	do	do	Unknown,	40 do	do	3 mths 15 dys	do	do			
4678	do	18	26	do	do	do	3 m'nths	Probate Court	3 mths 15 dys	do	Improved			
4679	do	19	20	do	do	Masturbation,	6 weeks	do	3 mths 15 dys	do	Not improved			
4680	do	22	28	do	do	Unknown,	Unkn'wn	do	3 mths	do	do			
4681	do	25	30	do	do	Love affair,	2 days	The Overseers	3 mths	do	do			
4682	do	28	30	Female	Married	Unknown,	Unkn'wn	Munici'l Court	3 mths	do	do			
4683	do	28	39	do	do	do	do	do	2 mths	Died	Exhaustion			
4684	do	31	45	Male	Widow'r	do	11 years	Probate Court	3 mths	Remains	Not improved			
4685	Sept.	1	44	Female	Single	do	4 do	Munici'l Court	3 mths	do	do			
4686	do	1	28	do	do	do	3 weeks	do	3 mths	do	do			
4687	do	1	50	Male	Married	Millerism,	2 do	Probate Court	1 mth	Disch'rg'd	Recovered			
4688	do	2	65	do	Unk'wn	Unknown,	years	The Overseers	3 mths	Remains	Stationary			
4689	do	4	53	do	Married	Hard labor,	weeks	Munici'l Court	3 mths	do		do		do
4690	do	4	26	do	Single	Unknown,	1 m'nth	do	3 mths	do				
4691	do	5	49	do	Married	Domestic trouble,	4 m'nths	Probate Court	3 mths	do				
4692	do	5	18	do	Single	Unknown,	6 do	do	2 mths 15 dys	Disch'rg'd	Recovered			
4693	do	7	23	do	do	Masturbation,	1 year	do	3 mths	Remains				
4694	do	7	18	do	do	do	Unkn'wn	do	3 mths 15 dys	Disch'rg'd	do			
4695	do	7	24	Female	Married	Unknown,	do	The Overseers	3 mths	Remains				
4696	do	8	16	Male	Single	Idiot,	do	do	3 mths	do				
4697	do	11	36	Female	Married	Ill health,	1 m'nth	do	12 dys	Disch'rg'd	Recovered			

TABLE—*(Continued.)*

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal, Hereditary.	Homicidal. Periodical.
	1854.											
4698	Sept. 12	21	Male	Single	Masturbation, . .	6 m'nths	Probate Court	3 mths	Remains			
4699	do 12	36	Female	Widow	Loss of only daughter,	1 week	do	3 mths	do		Hereditary.	Periodical.
4700	do 12	45	do	Single	Unknown, . . .	3 years	Munici'l Court	3 mths	do			
4701	do 12	26	Male	do	do . . .	1 m'nth	do	1 mth	Disch'rg'd	do		
4702	do 13	35	Female	do	do . . .	3 years	Probate Court	3 mths	Remains			
4703	do 13	28	do	do	do . . .	6 do	do	3 mths	do			
4704	do 13	27	do	do	do . . .	9 do	do	3 mths	do			
4705	do 13	25	do	Married	do . . .	do	do	3 mths	do			
4706	do 13	42	Male	Unk'wn	do . . .	Unkn'wn	do	3 mths	do			
4707	do 13	40	do	Married	do . . .	years	do	3 mths	do			
4708	do 16	60	Female	do	Ill health, . . .	6 m'nths	The Overseers	2 mths 15 dys	Disch'rg'd	Improved		
4709	do 19	27	do	Single	Unknown, . . .	Unkn'wn	Munici'l Court	2 mths 15 dys	Remains			
4710	do 28	27	Female	do	do . . .	3 days	Probate Court	2 mths 15 dys	do			do
4711	do 28	32	Male	do	do . . .	17 years	Munici'l Court	2 mths 15 dys	do			
4712	do 28	40	do	Unk'wn	do . . .	Unkn'wn	do	2 mths 15 dys	do			
4713	do 29	50	do	Married	do . . .	23 years	Probate Court	2 mths	do			
4714	do 30	24	do	Single	do . . .	1 week	do	2 mths	do			
4715	Oct. 2	33	Female	do	do . . .	Unkn'wn	Just. of Quor.	2 mths	do			
4716	do 2	35	Male	do	Intemperance, . .	1 year	The Overseers	1 mth	Disch'rg'd	Recovered		
4717	do 3	40	do	Married	Unknown, . . .	3 do	do	4 dys	do	Stationary		
4718	do 3	54	Female	Widow	do . . .	years	Probate Court	2 mths	Remains			
4719	do 4	45	Male	Married	Pecuniary, . . .	1 week	do	1 mth 15 dys	Disch'rg'd	Rec ovred		
4720	do 6	17	do	Single	Unknown, . . .	2 do	The Overseers	2 mths	Remains			
4721	do 11	43	do	do	do . . .	3 years	do	2 mths	do			
4722	do 20	40	do	Married	do . . .	Unkn'wn	Munici'l Court	1 mth 10 dys	do			
4723	do 21	60	do	do	Unfortunate marriage,	years	Probate Court	1 mth 10 dys	do			
4724	do 21	37	do	do	Puerperal, . . .	3 m'nths	do	1 mth 10 dys	do			do
4725	do 23	28	do	Single	Masturbation, . .	6 years	do	1 mth 7 dys	do			
4726	do 23	26	Female	do	Ill health, . . .	2 m'nths	The Overseers	1 mth 7 dys	do			do
4727	do 23	34	do	do	Unknown. . . .	years	do	1 mth 7 dys	do			do
4728	do 24	22	Male	do	Fits and ill health, .	9 do	Probate Court	1 mth 7 dys	do		do	

4729	do	24	20	do	do	Unknown, . . .	6 m'nths	Exec. warrant	1 mth	7 dys	do				
4730	do	25	36	do	do	do . . .	Unkn'wn	Probate Court	1 mth	7 dys	do				
4731	do	25	49	Female	Widow	Pecuniary, . . .	do	do	1 mth	7 dys	do				
4732	do	25	51	do	Single	Unknown, . . .	do	do	1 mth	7 dys	do				
4733	do	25	24	Male	do	do . . .	years	do	1 mth	7 dys	do				
4734	do	30	32	do	Married	Jealousy, . . .	Unkn'wn	Court C. Pleas	1 mth		do				
4735	do	31	25	Female	Single	Unknown, . . .	1 m'nth	Probate Court	1 mth		do				
4736	do	31	45	do	Married	Turn of life, . .	2 years	do	1 mth		do	do			
4737	Nov.	6	23	Male	Single	Masturbation, . .	3 do	The Overseers		24 dys	do	do			
4738	do	7	19	Female	do	Unknown, . . .	2 weeks	Probate Court		23 dys	do				
4739	do	8	41	do	Married	do . . .	5 years	The Overseers		22 dys	do				
4740	do	11	32	do	do	Watch'g sick husband,	3 weeks	do		19 dys	do				
4741	do	16	23	Male	Single	Unknown, . . .	5 years	do		14 dys	do	do			
4742	do	18	30	do	do	do . . .	7 do	Court C. Pleas		12 dys	do				
4743	do	18	21	Female	do	Study, &c., . . .	4 weeks	Munici'l Court		12 dys	do	do			
4744	do	18	50	do	Widow	Death of husband, .	Unkn'wn	do		12 dys	do				
4745	do	18	40	do	Single	Unknown, . . .	do	do		12 dys	do				
4746	do	20	42	Male	do	do . . .	21 years	Probate Court		10 dys	do	do		Periodical.	
4747	do	22	37	Female	Married	Puerperal, . . .	1 week	The Overseers		8 dys	do				
4748	do	22	79	do	Widow	Unknown, . . .	7 years	Probate Court		8 dys	do				
4749	do	24	45	Male	Married	Pecuniary, . . .	1 m'nth	do		6 dys	do				
4750	do	24	45	do	do	Unknown, . . .	2 days	do		6 dys	do				
4751	do	24	43	do	do	Sun struck, . . .	3 years	Munici'l Court		6 dys	do			do	
4752	do	25	35	do	Single	Unknown, . . .	3 do	Probate Court		5 dys	do				
4753	do	25	40	Female	do	do . . .	Unkn'wn	do		5 dys	do				
4754	do	25	38	do	do	do . . .	1 year	do		5 dys	do				
4755	do	25	35	Male	Married	do . . .	6 do	do		5 dys	do				
4756	do	25	26	Female	Single	do . . .	m'nths	do		5 dys	do				
4757	do	25	25	do	Married	Miscarriage, . .	3 weeks	Munici'l Court		5 dys	do				

TABLE 1,

Showing the Admissions from each County the last and previous years.

			1854.	Previously.	Total.
Barnstable,	Males,	3			
"	Females,	2—	5	115	120
Berkshire,	Males,	7			
"	Females,	2—	9	144	153
Bristol,	Males,	2			
"	Females,	3—	5	275	280
Dukes,	Males,	1			
"	Females,	1—	2	17	19
Essex,	Males,	12			
"	Females,	22—	34	535	569
Franklin,	Males,	1			
"	Females,	5—	6	102	108
Hampden,	Males,	7			
"	Females,	9—	16	236	252
Hampshire,	Males,	4			
"	Females,	3—	7	181	188
Middlesex,	Males,	24			
"	Females,	14—	38	524	562
Nantucket,	Males,	1			
"	Females,	0—	1	30	31
Norfolk,	Males,	7			
"	Females,	9—	16	541	557
Plymouth,	Males,	2			
"	Females,	3—	5	217	222
Suffolk,	Males,	18			
"	Females,	45—	63	464	527
Worcester,	Males,	35			
"	Females,	57—	92	1,067	1,159
Other States,	Males,	0			
"	Females,	0—	–	10	10
			299	4,458	4,757

More than one-third of this year had passed before any of the commitments were diverted from this hospital to the new hospital in Taunton; hence our books show some admissions from the counties in that section of the Commonwealth. It is probable that hereafter there will be but few, if any, sent here from that part of the State, although there is nothing in the laws, I believe, by which judges are required to commit the insane to that hospital rather than this. That point was undoubtedly left unsettled purposely, that the friends of the patient might make their election between the two institutions. The laws give the governor authority, from time to time, to equalize, if need be, the relative numbers in the two hospitals, by transferring such patients from one to the other as he shall see fit.

TABLE 2,

Showing the Admissions and State of the Hospital from Dec. 1, 1853, to Nov. 30, 1854.

Patients in the Hospital December 1, 1853,		520
Males,	266	
Females,	254	
Patients admitted in the course of the year,		299
Males,	125	
Females,	174	
Whole number in the Hospital in the course of the year,		819
Males,	391	
Females,	428	
Patients remaining in the Hospital November 30, 1854,		381
Males,	193	
Females,	188	
Of the admissions, there were cases of less duration than one year,		140
Males,	55	
Females,	85	
Of the admissions, there were cases of one year or more,		114
Males,	50	
Females,	64	
Cases the duration of whose insanity before admission not ascertained,		45
Males,	17	
Females,	28	
Patients committed by the Courts,		230
Males,	87	
Females,	143	
Committed by the Overseers of the Poor,		57
Males,	34	
Females,	23	
Committed on the warrant of the Governor,		12
Males,	4	
Females,	8	
Foreigners and those who have no legal settlement in this State, admitted during the year,		125
Males,	41	
Females,	84	
Foreigners and those having no legal settlement in the State discharged during the year,		180
Males,	67	
Females,	113	
Those having no legal settlement in this State, remaining in the Hospital November 30, 1854,		151
Males,	67	
Females,	84	

State Paupers remaining in the Hospital at the end of each year, as near as they can be ascertained:—

	No.
1842,	34
1843,	38
1844,	38
1845,	57
1846,	52
1847,	121
1848,	150
1849,	167
1850,	181
1851,	208
1852,	241
1853,	216
1854,	151

Continuation of TABLE 2.

Irish.

	1846.		1847.		1848.		1849.		1850.		1851.		1852.		1853.		1854.		Total.
	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	
Admissions:—																			
Recent cases, .	–	13	–	8	–	16	–	24	–	18	–	16	–	30	–	34	–	46	215
Males, . .	6	–	2	–	7	–	12	–	7	–	5	–	6	–	8	–	10		
Females, .	7	–	6	–	9	–	12	–	11	–	11	–	24	–	26	–	36		
Chronic cases, .	–	1	–	15	–	5	–	12	–	11	–	14	–	17	–	17	–	26	118
Males, . .	1	–	6	–	3	–	4	–	2	–	6	–	8	–	3	–	7		
Females, .	–	–	9	–	2	–	8	–	9	–	8	–	9	–	14	–	19		
Duration of Insanity Unknown,	–	11	–	15	–	11	–	10	–	19	–	19	–	22	–	20	–	24	151
Males, . .	7	–	9	–	6	–	5	–	14	–	9	–	10	–	6	–	6		
Females, .	4	–	6	–	5	–	5	–	5	–	10	–	12	–	14	–	18		
Totals, .		25		38		32		46		48		49		69		71		96	484
Discharged:—																			
Recovered, .	–	6	–	13	–	13	–	16	–	21	–	17	–	19	–	32	–	33	170
Males, . .	3	–	9	–	9	–	10	–	9	–	3	–	6	–	10	–	10		
Females, .	3	–	4	–	4	–	6	–	12	–	14	–	13	–	22	–	23		
Died, . .	–	4	–	2	–	5	–	4	–	11	–	4	–	12	–	12	–	9	63
Males, . .	2	–	–	–	1	–	1	–	5	–	2	–	5	–	3	–	4		
Females, .	2	–	2	–	4	–	3	–	6	–	2	–	7	–	9	–	5		
Otherwise, .	–	2	–	2	–	3	–	9	–	3	–	6	–	25	–	22	–	83	155
Males, . .	1	–	–	–	1	–	4	–	–	–	5	–	9	–	2	–	32		
Females, .	1	–	2	–	3	–	5	–	3	–	1	–	16	–	20	–	51		
Totals, .		12		17		21		29		35		27		56		66		25	388
Increase in nine years, ...																			96

TABLE 3,

Showing the number of Discharges and Deaths, and the condition of those who left the Hospital, from December 1, 1853, *to November* 30, 1854.

	Whole No. each sex.	Total.	Recovered.		Improved		Incurable and harmless.		Incurable and dangerous.		Deaths.		Total.
			Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	
Patients discharged, .	–	438	–	122	–	53	–	90	–	139	–	34	
Males, . .	198	–	45	–	21	–	48	–	69	–	15	–	198
Females, . .	240	–	77	–	32	–	42	–	70	–	19	–	240
Recent cases—less than one yr.—discharged,	–	128	–	85	–	18	–	5	–	12	–	8	
Males, . .	56	–	36	–	6	–	2	–	9	–	3	–	56
Females, . .	72	–	49	–	12	–	3	–	3	–	5	–	72
Chronic cases—one yr. or more—discharged,	–	220	–	30	–	26	–	58	–	83	–	23	
Males, . .	105	–	8	–	8	–	32	–	45	–	12	–	105
Females, . .	115	–	22	–	18	–	26	–	38	–	11	–	115
Patients discharged, the duration of whose insanity not ascertained,	–	90	–	7	–	9	–	27	–	44	–	3	
Males, . .	37	–	1	–	7	–	14	–	15	–	–	–	37
Females, . .	53	–	6	–	2	–	13	–	29	–	3	–	53
Totals, . .	438		122		53		90		139		34		

The results of the year have been favorable in a curative point of view. One hundred and twenty-two have recovered so as to return to their families and business. Others have left us improved or otherwise, who, had they remained longer, would have increased the number of cures. Some of those transferred by the Governor had been with us only a few days.

Among the "harmless and incurable" are included a few State paupers that the Overseers of the Poor took directly to the State Almshouses, from one of which we have received others in return. Those we received from the State Alms-

house have appeared about as harmless as any patients we have. This has deterred me from advising and recommending others to you to be sent back to the towns as fit subjects for those institutions.

TABLE 4,

Showing the number of Admissions and Discharges and the average number in the Hospital each month in the year.

	Monthly Average.	Admission.	Discharges.
December, 1853, . . .	529	23	10
January, 1854, . . .	541	25	13
February, " . . .	548	18	16
March, " . . .	548	30	19
April, " . . .	496	34	163
May, " . . .	365	22	103
June, " . . .	350	39	31
July, " . . .	357	18	17
August, " . . .	354	17	21
September, " . . .	368	30	13
October, " . . .	374	22	15
November, ...	377	21	17
Average number for the year, . .	430		

TABLE 5,

Showing the whole number of Residents during the year, the average number each year, the number at the end of each year, and the Expense of each of the twenty-two years the Hospital has been in operation.

The year.	Whole No. of residents during the year.	Average No. each year.	No. at the end of each year.	Current Expenses each year.	Annual Expense per patient.
1833	153	107	114	$12,272 91	$114 67
1834	233	117	118	15,840 27	135 38
1835	241	120	119	16,576 44	137 30
1836	245	127	138	21,395 28	168 44
1837	306	163	185	26,027 07	159 64
1838	362	211	218	28,739 40	136 20
1839	397	223	229	29,474 41	132 16
1840	391	229	236	27,844 98	121 59
1841	399	233	232	28,847 62	123 81
1842	430	238	238	27,546 87	111 12
1843	458	244	255	27,914 12	114 40
1844	491	261	263	29,278 75	112 17
1845	556	316	360	43,888 65	138 88
1846	637	359	367	39,870 37	111 06
1847	607	377	394	39,444 47	104 62
1848	655	404	409	42,860 05	106 09
1849	682	420	429	40,870 86	97 31
1850	670	440	441	46,776 13	106 40
1851	704	462	466	52,485 33	112 61
1852	775	515	532	43,878 35	85 20
1853	820	537	520	53,636 66	103 14
1854	819	430	381	53,221 51	123 77

TABLE 6,

Showing the causes of Insanity, and the circumstances connected with the causes and predisposition to Insanity the last and previous years, as reported to us by their friends.

	1854.	Previously.
Ill health,	26	579
Intemperance,	12	376
Domestic affliction,	19	353
Religion,	8	277
Masturbation,	11	208
Property,	6	192
Disappointed affection,	7	109
Disappointed ambition,	–	39
Epilepsy,	8	119
Puerperal,	10	137
Wounds on the head,	1	51
Hard labor,	3	60
Jealousy,	1	18
Fright,	2	30
Palsy,	1	36
Periodical cases,	26	886
Homicidal cases,	29	183
Have committed homicide,	2	25
Hereditary cases,	29	1,002
Suicidal cases,	25	436
Have committed suicide,	1	19
Cases arising from physical causes,	86	1,575
Cases arising from moral causes,	51	1,072

Probably in no part of the world are the causes of insanity more numerous and more active than among the population of Massachusetts. Here the mind, and body too, are often worked to the extreme point of endurance. Here wealth and station are the results of well-directed efforts; and the general diffusion of intelligence among the whole people stimulates a vast many of them to compete successfully for these prizes. But in the contest, where so many strive, not a few break down. The results on their minds may not, perhaps, be any less disastrous, whether wealth and station are obtained or not. The true balance of the mind is disturbed by prosperity as well as

adversity. It is only in a sound body that the manifestations of the mind are sane and entirely healthy. As a people, we cannot boast of the highest standard of physical health, although we may of general intelligence, enterprise and hard work.

TABLE 7.

Duration of insanity before admission:—	
Less than one year insane,	133
More than 1 and less than 2 years insane,	27
" " 2 " " 5 " "	33
" " 5 " " 10 " "	14
" " 10 " " 15 " "	7
" " 15 " " 20 " "	2
" " 20 " " 25 " "	1
" " 25 " " 30 " "	1
Over 30 years,	4
Unknown,	77
	299
Duration of insanity with those remaining in the Hospital at the end of the year:—	
Less than one year,	36
1 year and less than 2,	39
2 years " " 5,	66
5 " " " 10,	52
10 " " " 15,	44
15 " " " 20,	24
20 " " " 25,	12
25 " " " 30,	9
30 years and upwards,	9
Unknown,	90
	381
Ages of Patients when admitted:—	
Under 15 years,	1
15 years and less than 20,	20
20 " " " 30,	94
30 " " " 40,	67
40 " " " 50,	72
50 " " " 60,	27
60 " " " 70,	13
70 " " " 80,	4
80 years and more,	1
	299

TABLE 7—*Continued.*

Ages of Patients in the Hospital December 1, 1854:—	
Less than 15 years,	–
15 years and less than 20,	12
20 " " " 30,	78
30 " " " 40,	106
40 " " " 50,	101
50 " " " 60,	42
60 " " " 70,	25
70 " " " 80,	15
80 years and more,	2
	381
Civil state of Patients when admitted:—	
Single,	153
Married,	112
Widows,	16
Widowers,	4
Unknown,	14
	299

TABLE 8.

Statistics of the Hospital from January 18, 1833, *to December* 1, 1854.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.
Whole No. admitted, .	153	119	113	125	168	177	179	162	163	198	220	336	293	277	240	261	273	241	263	309	288	299
Whole No. discharged, .	39	115	112	106	121	144	168	155	167	191	203	228	196	270	213	246	253	229	238	243	300	438
Discharged recovered, .	25	64	52	58	69	76	80	82	82	88	116	124	122	154	103	136	138	125	111	103	145	122
Discharged improved, .	7	22	23	17	23	24	29	27	36	25	32	40	25	31	23	32	26	15	38	34	36	53
Discharged not improved,	2	20	28	22	20	28	27	29	37	66	33	49	25	47	57	48	52	32	50	61	78	229
Died, . . .	4	8	8	8	9	16	22	15	12	12	22	15	24	38	30	30	37	57	39	45	41	34
Eloped, . . .	1	1	1	1	–	–	–	–	–	–	–	–	–	–	2	–	–	–	–	–	–	1
Whole No. in Hospital in course of the year, .	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	670	704	775	820	819
No. remaining at the end of each year, . .	114	118	119	138	185	218	229	236	232	238	255	263	360	367	394	409	429	441	466	532	520	381
Males admitted, . .	96	68	57	66	94	96	80	75	73	107	111	109	164	138	105	128	134	129	125	148	136	125
Females admitted, .	57	51	62	59	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161	152	174
Males discharged, .	19	58	57	56	65	74	66	59	71	96	92	108	100	128	116	120	131	120	111	126	133	198
Females discharged, .	15	48	46	41	47	54	80	81	84	83	89	105	96	142	97	126	122	109	127	117	167	240
Males died, . .	3	5	4	6	6	10	14	9	7	3	8	9	15	20	18	15	19	29	13	20	20	15
Females died, . .	1	3	4	2	3	6	8	6	5	9	14	6	9	18	12	15	18	28	26	25	21	19
Sent in by courts, .	109	55	90	117	129	123	123	106	110	157	152	158	167	143	135	166	206	194	184	259	241	220
Sent in by friends and overseers, . .	44	64	23	8	39	54	56	56	53	41	68	78	126	134	105	95	67	47	79	50	47	57
Sent in on warrant of Gov'r,	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	12
Males recovered, .	13	33	27	32	37	45	32	28	37	44	53	56	64	72	48	67	70	60	56	55	65	45
Females recovered, .	12	31	25	26	32	31	48	54	45	44	63	68	58	82	55	69	68	65	55	48	80	77
Average No. in Hospital,	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404	420	440	462	515	520	430

TABLE 9.

Diseases that have proved fatal.

	1854.	Previously.
Marasmus,	5	78
Apoplexy and Palsy,	3	53
Consumption,	4	58
Epilepsy,	2	45
Disease of the Heart,	–	20
Suicide,	1	19
Disease of the Brain,	–	20
Typhus Fever,	–	11
Lung Fever,	4	18
Hemorrhage,	–	6
Dysenteric Fever,	–	9
Cholera Morbus,	–	4
Inflammation of the Bowels,	–	8
Mortification of the Limbs,	–	3
Dropsy,	1	8
Chronic Dysentery,	1	4
Erysipelas,	2	15
Diarrhœa,	1	18
Disease of the Brain from Intemperance,	–	3
Bronchitis,	–	3
Old Age,	–	13
Gastric Fever,	–	5
Land Scurvy,	–	1
Congestive Fever,	1	2
Concussion of the Brain,	–	1
Disease of the Bladder,	–	1
Fright,	–	1
Rupture,	–	1
Maniacal Exhaustion,	7	49
Convulsions,	–	2
Cholera,	–	4
Asthma,	1	1
Hydrothorax,	–	3
Cancer,	–	1
Pleurisy,	–	1
Jaundice,	1	1
Chorea,	–	1
	34	491

TABLE 10.

Per Cent.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.
Per cent. of recovery of recent cases, . .	–	82	82	84	89	86	90	91	91	91	88	93	89½	79	72	86	84	87	82	77	83	80
Per cent. of recovery of all discharged, . .	–	54	46	53	57	52	47	53	49	46	59	54	62½	57	49	55	54	54	46	42	46	52
Per cent. of recovery of old cases, . .	–	20	18	19	25	15	17	22	21	16	29	24	31½	28	17	19	24	21	18	18	24	29
Per cent. of admissions of the most prominent causes each year:—																						
Ill health, . .	8	18	21	22	21	28	27	25	23	18	16	15	13	11	17	18	18	7	9	9	7	8
Religious, . .	9	6	7	7	6	9	5	4	4	9	13	9	7	10	6	1	2	4	2	3	4	3
The affections, . .	14	12	17	16	16	15	25	17	13	15	9	10	14	1	12	11	10	8	11	6	2	8
Property, . .	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2	4	3	2	3	2	2
Intemperance, . .	25	24	23	15	10	16	8	12	12	8	6	8	10	10	7	5	4	3	4	2	2	4
Masturbation, . .	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	2	4	3	4	2	4	4
Per cent. of deaths of all in the Hospital each year, . . .	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.83	3.	2.79	4.8	3.05	4.31	5.96	4.94	4.58	5.42	8.5	5.53	5.81	5.	5.58
Per cent of deaths of average No. of residents each year, . .	3.7	6.8	6.66	6.3	5.5	7.58	9.86	6.55	5.15	5.	9.	5.74	7.59	10.55	7.95	7.92	9.	12.95	8.	8.73	7.88	7.9

In this table, the two hundred and ten that were transferred were not taken into the count. Had they been reckoned, the per cent. would have been different. For recent cases recovered, it would have been 66; for all discharged, 28; and for old cases, 12. The per cent. of deaths of all in the Hospital would have been 4.15; and of the average number, 7.9.

By the persevering efforts of the Assistant Physicians, Drs. Bemis and Smith, the patients have this year enjoyed, in walks, in amusements and freedom on their parole of honor out of doors, greater indulgence than ever before. They have been enabled to do so, in part, because the grounds this year about the building have been protected by fences for the first time. Intruders have been kept off, and our quiet people could sit and stroll about this hill pleasant days unmolested. Far less mechanical restraint has been used than was formerly deemed absolutely necessary. Amusements of various kinds, as walking, riding, working, reading, writing, music and games, have been put in requisition to arouse the listless minds of the inactive, and to bring into a healthy channel the wandering thoughts of the deluded.

We are under great obligation to the proprietors for the following periodicals, for which we can make them in return only this acknowledgment, and express the gratitude of our patients who are made happy in their perusal: The Daily Advertiser, Evening Gazette, Olive Branch, Puritan Recorder, Christian Witness, Church Advocate, Youth's Companion, Monthly Religious Magazine, Zion's Herald, New England Farmer, Prisoner's Friend, from Boston; Register, Essex County Gazette and Advertiser, from Salem; Old Colony Memorial, Plymouth; Lynn News, Lynn; Assistant of the Ministry at Large, Roxbury; Gospel Messenger, Utica, N. Y.; Democrat, Taunton; Ægis, Spy, Palladium and Journal, Worcester; Courant, Clinton; and some papers and books from several friends of the Hospital.

The stated daily and weekly religious services here have been continued by the able Chaplain who has so long been with us. These services, besides promoting something of religious growth in the hearts of all, are among the moral means by which the insane as well as the sane become habituated to

the rules of order and decorum. Former associations are awakened in their minds, which allay the restless feelings of the insane, and help them to keep in subjection their wandering thoughts. They are the occasion of some happiness and activity on the Sabbath, and they mark the hour of repose at night.

The patients assist in the various departments of the Hospital, and their services are valuable for what they perform, and still more valuable in its effects upon their own health. Some thirty have regular daily duties assigned them out of the wards; and, when there is any extra job on hand, as many more are often taken out into the fields and shops by the several assistants. The attendants are assisted in the wards, in the care of them, in sewing and knitting, by a hundred or more of the patients. But still there is a great want here of some kind of mechanical labor, at which considerable numbers could be engaged without danger to themselves, that would be both healthful and pleasant in its performance.

The farm and garden have yielded full returns for the labor bestowed, as the following estimate of the crops by the Steward will show:—

Apples, 95 bushels at 40c.,	$38 00
Cherries, 20 bushels at $2.00,	40 00
Corn, sweet, in ears, 80 bushels at 50c.,	40 00
Beans, 7 bushels at $2.00,	14 00
Beets, 162 bushels,	40 50
Cabbage heads, 1,800 at 5 cents each,	90 00
Cucumbers, 85 bushels at 50c.,	42 50
Turnips, 105 bushels at 25c.,	26 25
Tomatoes, 50 bushels at 40c.,	20 00
Onions, 145 bushels at 50c.,	72 50
Squashes, 3,583 lbs. at 2c.,	71 66
Peas, 30 bushels at $1.00,	30 00
Milk, 41,050 quarts at 3½c.,	1,436 75
Beef, 8,434 lbs. at 7c.,	590 38
Pork, 14,578 lbs. at 8c.,	1,166 24
Poultry, 150 lbs. at 10c.,	15 00
	$3,733 78

And for wintering or fattening the stock on hand, of 4 horses, 2 oxen, 24 cows and 122 swine :—

Hay, 44 tons at $20.00, ...	$880 00
Rowen, 4 tons at $15.00, ...	60 00
Corn fodder, ...	15 00
Carrots, 1,600 bushels at 25c., ...	400 00
	$1,355 00

I cheerfully acknowledge the ready coöperation of the several persons employed in this institution in carrying forward the great purpose of this charity. The duties of those in the immediate attendance on the insane are perplexing, and often arduous, and, when faithfully discharged, can be fully remunerated only by an approving conscience. We have been fortunate in acquiring and sustaining a high tone of moral and intellectual excellence in the attendants and assistants.

Persons devoted exclusively to the care and attendance on the insane are :—

Males, ...	13	
Females, ...	18	—31

Persons employed in the various departments to work with and give exercise to the insane are :—

Males, ...	17	
Females, ...	18	—35
		66

The term of their services varies from several causes. About one-third leave yearly. Some, from the length of time and their devotion to it, become identified with its reputation. Those best adapted to their stations generally remain longest.

To each of the members of your Board, who have been ever ready to advise and assist me, and who have been active and zealous in promoting the best interests of the insane, I am glad of this opportunity to express my obligations and my gratitude. The services of your Board have been rendered

without pecuniary compensation, and visits of business to, and inspection of, the Hospital, by some or all of its members, have been frequent. The book of Monthly Visits shows that no month since the institution was opened has passed without a record of such a visit having been made. Thirty-seven times have you been at this Hospital the past year, besides your meetings of business elsewhere.

Most respectfully,

Your obedient servant,

GEORGE CHANDLER.

State Lunatic Hospital, Worcester,
Mass., December 1, 1854.

DECEMBER, 1853.—METEOROLOGICAL OBSERVATIONS *made at the State Lunatic Hospital, Worcester, Mass., Lat.* 42° 16′ 17″, *Long.* 71° 48′ 13″.—*Elevation*, 536 *feet.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	2 P. M.	9 P. M.	Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	2 P. M.	9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	2 P. M.	9 P. M.	Clouds. 10 quite covered. 7 A. M.	2 P. M.	9 P. M.	Wind. Direction and force. 10 = hurricane. 7 A. M.	2 P. M.	9 P. M.	Rain and Snow. Hour began.	Hour ended.	Inches Rain.	Melted Snow.	Remarks.
	1	34	36	33	34	29.406	29.357	29.394	00	79	92	10	10	10	N. E.^{5}	N.W.^{4}	N. E.^{4}	–	–	–	–	
	2	28	33	28	29.6	29.380	29.474	29.508	49	00	63	10	10	9	N. E.^{4}	N. E.^{3}	N. E.^{5}	–	–	–	–	
	3	25	34	36	31.6	29.458	29.364	29.390	82	00	82	10	10	0	N. E.^{4}	N. E.^{4}	N. W.	–	–	–	–	
	4	20	26.5	19	21.5	29.531	29.592	29.670	54	46	28	0	0	0	N.W.^{4}	N.W.^{4}	N.W.^{4}	–	–	–	–	
	5	13	26	18	19	29.717	29.300	29.743	00	74	28	0	10	0	N.W.	S. W.^{2}	N.W.^{4}	12½pm	–	–	–	Snow.
	6	25	38.5	42	38.5	29.670	29.320	29.267	51	90	59	10	10	0	N. E.^{4}	S. E.^{2}	N. W.	11½ am	6 p m	–	–	Rain. Showers.
☽	7	34	36	25	31.6	29.428	29.502	29.672	85	89	21	9	2	0	S. W.^{2}	N. W.	N.W.^{2}	–	–	–	–	
	8	18	35	28	27	29.630	29.589	29.616	42	00	67	0	0	0	N.W.^{3}	N. W.	N. W.	–	–	–	–	
	9	20.5	42	28	30	29.600	29.531	29.542	76	32	59	0	0	0	S. W.	S. W.	N.W.^{3}	–	–	–	–	
	10	28	45	34	35.6	29.436	29.382	29.422	72	49	00	2	0	0	S. W.^{2}	N.W.^{2}	N. W.	–	–	–	–	
	11	30	44	30	31.3	29.443	29.426	29.466	72	42	46	0	0	0	N.W.^{1}	N.W.^{2}	N.W.^{2}	–	–	–	–	
	12	28	30	30	29.3	29.512	29.501	29.496	72	96	88	10	10	10	N.W.^{2}	N. E.^{2}	N. E.^{3}	a m	–	–	–	Fog, A. M. Drizz'g [rain, freezing.
	13	28	37	39	31.6	29.484	29.510	29.582	84	79	55	10	0	0	N. E.^{2}	N.W.^{4}	N.W.^{4}	–	–	–	–	
	14	26	34	26	28.6	29.644	29.600	29.543	51	00	5	0	0	0	N.W.^{4}	S. E.^{2}	N. W.	–	–	–	–	
☉	15	24	40	28	30.6	29.482	29.467	29.496	40	70	55	0	0	0	N. E.^{4}	N.W.^{3}	N.W.^{2}	–	–	–	–	
	16	22	49	33.5	31.8	29.419	29.374	29.340	42	70	00	0	3	8	N. E.	S. W.	N. E.^{2}	–	–	–	–	
	17	34	41	39	38	29.265	29.154	28.893	96	84	100	10	10	10	S. W.^{2}	S. W.^{2}	N. E.	7 p m	–	–	–	Rain.
	18	45	36	24	35	28.568	28.638	28.974	85	79	25	10	0	0	S. W.	N.W.^{3}	N.W.^{4}	–	1 a m	.66	–	Shower, 11 A. M.
	19	16	25	18	19.3	29.227	29.293	29.375	44	11	00	3	0	0	N.W.^{4}	N.W.^{4}	N.W.^{4}	–	–	–	–	
	20	13	20	14	15.6	29.547	29.584	29.705	9	00	00	2	0	0	N.W.^{4}	N.W.^{4}	N.W.^{4}	–	–	–	–	
	21	16	27	22.5	21.8	29.765	29.703	29.708	44	78	25	7	8	0	N.W.^{4}	N.W.^{2}	N.W.^{4}	p m	–	–	–	Slight snow.
	22	21	32.5	26	26.5	29.636	29.585	29.589	40	00	40	9	0	0	S. W.^{3}	W	W.	–	–	–	–	
☾	23	25	34	31	30	29.316	28.894	28.628	51	100	77	10	10	10	W.^{2}	S. W.^{2}	N.W.^{3}	5 a m	–	–	–	Snow. R., 11½ A.M.
	24	19	26	22	22.3	28.974	29.080	29.180	00	00	40	0	0	0	N.W.^{5}	N.W.^{4}	N.W.^{5}	–	–	–	–	
	25	20	34.5	30	28	29.208	29.262	29.304	52	00	49	0	6	10	N.W.^{2}	N.W.^{2}	S. W.^{2}	–	–	–	–	
	26	22	27.5	26	25	29.141	28.877	28.807	48	55	69	8	10	10	S. W.^{2}	N. E.^{2}	N. E.^{3}	11 a m	–	–	–	Snow, ½ inch.
	27	26	29	17	24	28.838	29.012	29.122	51	27	24	10	0	0	N.W.^{4}	N.W.^{4}	N.W.^{2}	1½ a m	–	–	.54	Snow, 3 inches.
	28	14	32	27	24.3	29.219	29.193	29.132	24	00	53	0	6	8	N.W.^{2}	W.	N.W.^{4}	10 p m	–	–	–	Snow.
	29	18	11	6	15	28.720	28.595	28.843	100	100	00	10	10	0	N. E.^{4}	N. E.^{6}	N.W.^{3}	–	4 p m	–	2.34	Snow, 14 inches.
●	30	7	17.5	14	12.8	29.123	29.230	29.153	00	66	80	0	10	10	N.W.^{2}	W.^{2}	N. E.^{4}	6 p m	–	–	–	Snow.
	31	20	34.5	27	27	29.126	29.203	29.369	73	00	70	10	6	10	N.W.^{2}	N. W.	N.W.^{3}	–	12½a m	–	.25	Snow, 3 inches.
Means,		23	32	26	27	29.355	29.310	29.704	51.3	45.7	45.3	5.3	4.7	3.5	Amount of rain and snow water,					.66	3 13	= 3.79 in. S. 20½ in.

JANUARY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	24	35	26	28.3	29.243	29.185	29.279	86	70	82	10	10	0	N. E.[3]	N. W.	N. W.[3]	1½ a m	11 a m	–	.35	Snow, 2½ inches.
	2	17	27	27	20.3	29.356	29.451	29.628	55	36	52	0	0	0	S. W.[3]	W.	N. W.	–	–	–	–	Aurora mod. coro-
	3	3	23	16	14	29.841	29.783	29.629	13	76	44	0	10	2	do	S. W.[2]	S. W.[2]	–	–	–	–	[nal arch.
	4	26	45	39	36.6	29.550	29.483	29.492	78	–	72	2	5	0	do[1]	S. W.	S. W.	–	–	–	–	
☽	5	35	46	40	40.3	29.583	29.577	29.514	74	60	73	9	0	0	S. W.	do	do	–	–	–	–	
	6	38.5	38.5	25	34	29.301	29.232	29.458	100	83	47	10	10	8	do	N. W.	N. W.[4]	–	–	–	–	Fog Am. dense.
	7	9	22	14	15	29.732	29.633	29.568	3	65	14	0	0	0	S. W.[2]	S. W.	N. W.	–	–	–	–	Lunar halo, 8 P. M.
	8	19	21	20	20	29.424	29.294	29.292	37	78	37	10	10	4	N. W.[2]	N. W.[2]	do[3]	–	–	–	–	
	9	9	16	13	12.6	29.402	29,464	29.560	–	10	65	0	0	0	do	do	do[2]	–	–	–	–	
	10	12	29	35	25.3	29.676	29.556	29.588	59	75	67	10	10	9	S. W.	S. W.[2]	S. E.	7½ a m	–	–	–	Snow, Lu'r halo, p m
	11	16	24	24	21.3	29.648	29.725	29.658	14	91	77	3	10	10	N. W.[2]	N. W.[2]	N. W.[2]	–	–	–	–	
	12	32	47	50	43	29.236	29.081	28.880	100	100	100	10	10	10	N. E.[2]	N. W.	do[2]	2½ a m	8 a m	1.45	–	Rain.
	13	38	46	39	41	28.942	29.003	28.970	97	32	72	0	0	4	N. W.[2]	N. W.[2]	do[2]	–	–	–	–	
○	14	33	30	27	30	28.990	29.172	29.424	62	49	33	0	2	0	do[3]	do[3]	N. W.	–	–	–	–	
	15	20	33.5	28	27	29.623	29.648	29.652	32	46	79	0	8	6	do[2]	do[1]	do[2]	–	–	–	–	
	16	29	37	40	35.3	29.460	29.270	29.297	100	100	65	10	10	10	S. E.	S. E.	N. W.	3 a m	–	.04	–	Snow and Rain.
	17	37	37	31.5	35	29.405	29.441	29 607	85	67	70	10	10	3	N. W.	N. W.	do	–	–	–	–	
	18	22	23	19	21.3	29.704	29.639	29 677	46	80	78	2	10	10	N. W.[2]	do	do[2]	1½ p m	–	.10	–	Snow, 1 inch.
	19	18	31	27	25.3	29.765	29.739	29 682	83	70	70	10	10	10	do[4]	N. W.	do[3]	–	–	–	–	
	20	23	26	23	24	29.396	20.207	29.106	95	100	100	10	10	10	do[4]	N. E.[4]	N. E.	1 a m	–	.64	–	Snow and Hail, 2
☾	21	42	47	20	36.3	28.913	28.847	29.232	100	70	12	10	10	0	S. W.	N. W.	N. W.[4]	–	–	.05	–	[in., Rain.
	22	11	21	14	15.3	29.689	29.734	29.788	–	61	25	0	2	0	N. W.[3]	do	do[4]	–	–	–	–	
	23	11	21	9.5	13.8	29.547	29.561	29.830	53	48	9	10	2	0	do[4]	do[4]	do[4]	12 m	–	–	–	Snow squalls, Au-
	24	3	19	18	13.3	29.673	29.531	29.626	–	49	51	0	0	0	do[3]	do[3]	S. W.[3]	–	–	–	–	[rora mod. 8 p m.
	25	2	6.5	7	5	29.916	30.000	29.978	–	17	76	0	0	0	do[4]	do[4]	N. W.[2]	–	–	–	–	
	26	6	22.5	36	21.5	29.594	29.223	29.186	–	5	84	10	10	4	N. E.[3]	N. W.	S. W.	a m	a m	.10	–	Snow, 1 inch.
	27	33	26	25	28	29.156	29.298	29.298	–	74	63	10	6	0	N. W.	do	N. W.	–	–	–	–	
●	28	11	10	1	7.3	29.452	29.693	29.912	37	33	–	0	0	0	do	do[3]	do[4]	–	–	–	–	
	29	–9.6	10	0	1.3	30.005	30.018	30.055	–	21	–	0	0	0	do[5]	do[4]	do[4]	–	–	–	–	
	30	–0.2	15	17	10	29.981	29.930	29.684	–	58	76	6	10	10	do[2]	do[2]	do[3]	8 p m	–	–	–	Snow.
	31	24	40	31	31.6	29.345	29.132	29.088	69	54	34	10	0	0	N. W.	S. W.	S. W.	–	–	–	.09	Snow, 1 inch.
Means,		19.	27.	23.	22.	29.531	29.623	29.475	48.	60 6	55.7	5.5	.5	3.3	Amount of rain and snow water,					2.38	.44=2.82 in., snow 7½ in.	

FEBRUARY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	35	46	39	40	29.037	28.976	29.014	85	53	72	6	10	0	S. W.	S. W.	S. W.^{2}	–	–	–	–	
	2	38	46	30	38	29.088	29.074	29.195	69	55	73	10	6	10	W.	W.	N.W.^{3}	–	–	–	–	
	3	17	14	7	12.6	29.294	29.341	29.470	66	55	. –	10	10	0	N.	N.W.^{2}	do^3	–	–	–	–	
☽	4	1	12	5	6	29.593	29.646	29.733	–	–	5	0	0	0	N.W.^{3}	do^2	do^2	7 a m	11 a m	–	.14	Snow, 1 inch.
	5	2	15	11	9.3	29.593	29.584	29.420	100	55	56	0	9	10	do^3	S. W.^{3}	N. E.^{4}	2 p m	–	–	–	Snow in squalls.
	6	13	13	7	11	29.476	29.671	29.819	100	53	–	10	10	0	do^2	N.W.^{2}	N.W.^{4}	–	a m	–	.34	Snow, 6 inches.
	7	3.5	23	19	12.8	29.853	29.797	29.800	–	67	73	6	2	2	do^4	do^1	do^4	–	–	–	–	[p. m.
	8	18	29	44	30.3	29.691	29.399	29.892	89	100	100	10	10	10	S. W.^{3}	S. W.^{3}	S. W.^{3}	3 a m	–	–	.55	Snow, 5 in. R. 2½
	9	39	39	34	37.3	28.858	29.072	29.200	76	47	100	8	0	0	N.W.^{3}	N. W.	N. W.	–	4 a m	1.90	–	
	10	30.5	37.5	21	29.6	29.169	29.193	29.440	55	–	58	6	2	3	N. W.	do^3	do^2	–	–	–	–	
	11	9	16	10	11.6	29.632	29.676	29.760	46	5	33	0	0	0	do^4	do^4	do^4	–	–	–	–	
☺	12	8	25	23	18.6	29.847	29.784	29.814	29	43	36	0	4	10	do^4	do^2	do^4	–	–	–	–	
	13	21	31.5	33	28.5	29.772	29.645	29.475	90	100	100	10	10	10	do^2	S. E.^{3}	S. E.^{2}	12½pm	–	–	–	Snow. Rain & hail.
	14	32	35	33	33.3	29.433	29.467	29.487	100	100	92	10	10	10	E.	E.	N. E.^{4}	–	–	–	–	R. continued. [ed.
	15	31	32	33	32	29.427	29.282	29.284	100	100	85	10	10	10	N. E.^{2}	N. E.^{3}	S. E.^{2}	–	–	.64	–	R. con. Interrupt-
	16	31.5	34	25	30	29.405	29.342	29.480	100	–	59	10	10	0	N. W.	W.	N. W.	8 a m	2 p m	.30	–	S. ½ in. Auroramod.
	17	19	29	19	22.3	29.612	29.602	29.688	58	20	38	0	0	0	do^2	N.W.^{3}	do^3	–	–	–	–	Aurora 9 p.m [8pm
	18	15	35	34	28	29.624	29.442	29.365	5	–	–	0	2	10	do^2	do^3	N. E.^{2}	–	–	–	–	
	19	34	29.5	16	26.5	29 333	29.490	29.625	–	12	–	0	1	0	do^2	do^1	N.W.^{3}	–	–	–	–	
☾	20	6	20	19	15	29.688	29.618	29.478	32	79	73	0	10	10	N. E.^{3}	E.^{4}	N. E.^{5}	12 m	–	–	–	Snow.
	21	19	22	19	20	29.479	29.249	29.380	100	61	10	10	2	0	do^6	N.W.^{5}	N.W.^{2}	–	10 a m	–	.30	Snow, 3 inches.
	22	20	39	34	31	29.425	29.264	29.113	20	63	81	0	0	0	N.W.^{3}	S. W.	S. W.^{3}	–	–	–	–	
	23	19	15.5	9	14.8	29.055	29,127	29.465	51	29	–	0	2	0	do^4	N.W.^{5}	N.W.^{6}	–	–	–	–	Snow squalls a. m.
	24	6	24	24	18	29.569	29.528	29.594	100	67	73	10	10	10	do^3	W.	S. W.^{2}	–	–	–	–	
	25	9.5	15.5	15	13.3	29.108	30.008	30.072	63	–	74	4	0	10	do^3	N.W.^{4}	N.W.^{4}	–	–	–	–	
●	26	17	30.5	44	30.5	29.836	29.441	28.983	100	100	100	10	10	10	N. E.^{4}	N. E.^{4}	N. E.^{2}	6½ am	11 p m	2.45	–	Snow, hail & rain.
	27	39	29	21	29.6	28.975	29.340	29.752	73	68	8	2	9	0	N.W.^{2}	N.W.^{4}	N.W.^{4}	–	–	–	–	Snow squalls a. m.
	28	16	33	29	26	29.940	29.895	29.688	42	–	46	0	2	2	do^4	S. W.	S. W.^{2}	–	–	–	–	
Means,		19	27	22	22	29.438	29.399	29.552	62	47	51	4.7	5.3	4.5	Amount of rain and snow water,					5.29	1.33	6.62 in. S. 15½ in

MARCH, 1854—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air=100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7A. M.	Clouds. 2P. M.	Clouds. 9P. M.	Wind. Direction and Force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	28	38	34	33.3	29.664	29.626	29.652	43	50	–	0	2	0	N.W.^{2}	N.W.^{4}	N.W.^{3}	-	-	-	-	
	2	31	47	36	38	29.681	29 670	29.674	58	44	74	0	2	0	W.	W.	W.^{2}	11½pm	-	-	-	Rain and Snow.
	3	33	33.5	33	33	29.515	29.307	29.365	100	100	100	10	10	10	S. E.^{2}	N. E.^{2}	N. E.^{1}	-	-	-	-	Rain, continued.
	4	32	38	37	35.6	29.386	29.261	29.172	100	83	79	10	10	10	N.	S. W.	S. W.	-	p m	.70	-	
	5	36	35	32	34.3	29.194	29.316	29.448	71	78	–	0	3	4	N. W.	N.W.^{2}	N. W.	-	-	-	-	
☽	6	27	34	27	29.3	29.513	29.562	29.665	–	–	30	0	1	0	do	do^2	N.W.^{3}	-	-	-	-	
	7	24	42	38	34.6	29.586	29.445	29.365	23	69	100	4	10	10	do	S. E.	S. E.	7 p m	-	-	-	Rain slight.
	8	33	33	33	33	29.205	29.020	28.975	100	100	100	10	10	10	N. E.	N. E.	N. E.^{2}	7 p m	-	-	-	Thunder Storm.
	9	35	42	36.5	37.8	29.287	29.345	29.443	88	75	100	10	10	10	S. W.	N. W.	do^2	6 p m	a m	.57	-	Rain.
	10	33.5	36	34	34.5	29.271	29.122	29.000	100	100	100	10	10	10	N. E.^{2}	N. E.	do^2	-	11½am	.75	-	
	11	38	42	32.5	37.5	29.240	29.394	29.624	60	32	32	0	0	0	N. W.	N.W.^{2}	N.W.^{1}	-	-	-	-	
	12	28	49.5	40	39	29.646	29.591	29.544	46	36	49	0	0	0	do	N. W.	N. W.	-	-	-	-	
	13	39	61	44	48	29.492	29.321	29.499	70	31	65	0	4	1	do	S. W.	S. W.	-	-	-	-	
○	14	37	37	35	36.3	29.489	29.359	29.356	82	100	73	2	10	10	do^2	N. E.^{4}	N. E.^{2}	-	-	-	-	
	15	37	53	44	44.6	29.369	29.319	29.178	89	61	78	0	10	10	N. W.	W.	S. W.	11 p m	-	-	-	Rain.
	16	43	67	52	54	28.894	28.668	28.651	88	39	19	3	1	0	S. W.	S. W.	N.W.^{3}	-	2 p m	.28	-	Lightning, P. M.
	17	38	50	42	43.3	28.997	28.980	28.677	82	34	93	0	2	10	N. W.	N. W.	N. E.^{2}	9½ p m	-	-	-	Rain.
	18	24	27	23	24 6	28.795	28.884	29.248	28	43	40	3	9	0	do^5	do^6	N.W.^{4}	2 p m	-	-	-	Snow squalls, high [winds.
	19	16	31	24	23.3	29.460	29.391	29.372	–	66	73	0	1	0	do^5	do^2	do^2	-	-	-	-	
	20	22	27	17	22	29.342	29.453	29.632	80	13	24	10	2	0	do^2	do^4	do^4	a m	-	-	-	Snow squalls.
☾	21	15	26	20	20.3	29.685	29.604	29.646	14	40	8	0	0	0	N. W.	do^4	do^2	-	-	-	-	
	22	16	34.5	28	26	29.631	29.481	29.370	19	78	83	0	0	0	do^3	S. E.^{2}	S. E.^{3}	8½ p m	-	-	-	Snow.
	23	32	35	35	33.3	29.086	28.937	28.862	100	100	100	10	10	10	N. E.^{4}	N. E.^{2}	N. E.	-	p m	1.15	-	Hail and Rain.
	24	31	31.5	21	27.8	29.707	29.692	28.914	70	–	–	10	4	0	N.W.^{2}	N.W.^{2}	N.W.^{4}	-	-	-	-	
	25	21	29	22	24	28.893	28.858	28.924	20	55	58	4	3	2	do^2	do^2	N. W.	-	-	-	-	
	26	22	31.5	23	25.5	28.962	28.952	29.090	8	34	25	2	4	2	do^4	do^4	do^4	-	-	-	-	Snow squalls.
	27	22	30.4	22	24.8	29.134	29.136	29.311	44	31	–	1	1	0	do^4	do^5	do^4	-	-	-	-	Aurora.
●	28	15	25	16	18.6	29.460	29.375	29.448	47	26	–	0	10	0	do^2	do^4	do^5	-	-	-	-	Aurora moderate.
	29	16	30	23	23	29.663	29.632	29.730	–	34	32	0	5	0	do^4	do^4	do^2	-	-	-	-	Aurora.
	30	20	37	30	29	29.774	29.702	29.734	28	–	58	2	4	10	do^1	S. W.	S. W.	-	-	-	-	
	31	29	34	33	32	29.750	29.676	29.558	96	88	100	10	10	10	S. E.^{2}	N. E.^{4}	N. E.^{4}	2 p m	-	-	-	Rain drizzling.
Means,		28	37	32	32	29.541	29.306	29.326	56	52	52	3.3	5.1	4.1	Amount of rain and snow water,					3.45	0.00	= 3.45 inches.

APRIL, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER. 7 A. M.	2 P. M.	9 P. M.	Mean.	BAROMETER. Corrected and reduced to 32°. 7 A. M.	2 P. M.	9 P. M.	PSYCHROMETER. Saturated air = 100. 7 A. M.	2 P. M.	9 P. M.	CLOUDS. 10 = quite covered. 7 A. M.	2 P. M.	9 P. M.	WIND. Direction and Force. 10 = hurricane. 7 A. M.	2 P. M.	9 P. M.	RAIN AND SNOW. Hour began.	Hour ended.	Inches Rain.	Melted Snow.	Remarks.
	1	34	52	38	41	29.192	29.064	29.144	100	100	90	10	10	10	N. E.^{2}	S. W.	S. W.	–	p m	.60	–	
	2	34	40	28	34	29.384	29.548	29.782	00	00	43	0	2	0	N.W.^{2}	N.W.^{2}	N.W.^{2}	–	–	–	–	
	3	24	35	39	32.6	30.050	30.020	29.970	47	00	52	0	0	0	do^2	do^2	do	–	–	–	–	
	4	29	46	37	37.3	29.860	29.677	29.794	84	37	58	10	10	2	S. W.^{2}	S. W.	S. W.	–	–	–	–	
☽	5	33	58	43	44.6	29.764	29.649	29.604	00	33	46	0	4	0	N.W.^{3}	N. W.	N. W.	–	–	–	–	
	6	38	68.5	55	53.8	29.463	29.280	29.221	79	43	55	6	10	5	S. W.	W.	S. W.	–	–	–	–	
	7	52	54.5	39	48.5	29.222	29.434	29.620	63	13	44	1	0	0	N.W.^{2}	N. W.	N. W.	–	–	–	–	Gusty.
	8	29	49	37	38.3	29.852	29.737	29 676	61	36	79	6	2	4	do	S. W.^{2}	S. W.	–	–	–	–	Lightning p.m.
	9	41	54	37	44	29.437	29.399	29.407	93	83	85	10	4	10	S. W.	S. E.	N. E.^{3}	3 p m	5 p m	–	–	Fog a. m. Rain.
	10	35	42	36	37.6	29.143	28.937	29.094	100	90	100	10	10	10	N. E.^{2}	N. E.^{3}	do^5	a m	–	.23	–	Rain. Fog. [Th.
	11	34	45	35	38	29.253	29.360	29.491	00	44	71	10	0	0	N.W.^{5}	N.W.^{4}	N W.	–	a m	.20	–	
	12	28	56.5	42	42	29.506	29.564	29.578	33	26	54	0	4	0	do	S. W.	do	–	–	–	–	
☉	13	38	60	40	46	29.570	29.554	29.830	72	17	96	0	2	1	do	N. W.	N. E.^{2}	–	–	–	–	
	14	28	41	35	34.6	29.897	29.700	29.744	74	63	85	0	2	10	do^2	S. E.	S. E.^{2}	11 p m	–	–	–	Snow.
	15	28	31.5	30	29.8	29.558	29.456	29.434	100	100	84	10	10	10	N. E.^{4}	N. E.^{5}	N. E.^{4}	–	4 p m	.54	–	Snow, 3 inches.
	16	29	35.5	32	32	29.482	29.543	29.521	52	00	45	10	10	10	do^4	do^5	do^6	p m	–	–	–	Snow.
	17	28.5	30	29	29	29.455	29.332	29.278	100	100	100	10	10	10	do^6	do^7	do^7	–	–	–	–	Snow cont'd. Rain.
	18	32	42.5	36	36.8	29.260	29.250	29.311	100	58	67	10	10	10	N. W.	N. W.	N. W.	–	a m	.65	–	Snow, 7 inches.
☾	19	36	54	45	45	29.370	29.296	29.284	75	18	52	0	6	8	do	S. W.^{3}	S. W.	–	–	–	–	
	20	47	54	42	47.6	29.205	29.248	29.300	53	69	66	0	0	0	do	N. W.	N. W.	–	–	–	–	
	21	50	58	44	50.6	29.395	29.376	29.451	40	39	46	0	2	0	do	do	do	–	–	–	–	
	22	46	48	40	44.6	29.440	29.384	29.240	34	100	100	8	10	10	do	S. W.	S. W.	12 m	–	–	–	Rain.
	23	40	54	39	44.3	29.175	29.242	29.425	87	37	66	10	1	1	N. E.^{3}	N. E.^{3}	N. W.	–	–	.95	–	Aurora p.m. striat.
	24	43	60	51	51.3	29.492	29.201	29.341	53	12	37	0	0	0	N. W.	N. W.	do	–	–	–	–	
	25	51	68.5	55	58	29.380	29.229	29.260	44	20	47	2	1	6	do	do	do	–	–	–	–	
	26	51	69	64	61.3	29.186	29.070	29.003	65	9	100	6	10	10	S. W.	S. W.	S. W.	7 p m	10 p m	1.10	–	Th. storm.
●	27	61	64	47	57.3	29.046	29.059	29.223	66	71	91	0	4	10	do	S. W.	N.W.^{2}	6½ p m	–	–	–	Rain. Th. st. p. m.
	28	38	39	38	38.3	29.417	29.550	29.661	100	100	100	10	10	10	N. E.^{3}	N. E.^{4}	N. E.^{4}	–	–	–	–	Rain continued.
	29	36	39	40	38.3	29.685	29.634	29.600	100	100	100	10	10	10	do^4	do^2	do^3	–	–	2.42	–	Rain continued.
	30	47	56	53	52	29.505	29.393	29.376	100	100	100	10	10	10	do^2	S. E.^{2}	S. W.	–	–	–	–	Rain continued.
Means,		38	50	41	42	29.590	29.374	29.455	65.5	51	73.9	5.4	5.4	5.3	Amount of rain and snow water,					6.69	–	= 6.69 in. S. 10 in.

MAY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER. 7 A. M.	2 P. M.	9 P. M.	Mean.	BAROMETER. Corrected and reduced to 32°. 7 A. M.	2 P. M.	9 P. M.	PSYCHROMETER. Saturated air = 100. 7 A. M.	2 P. M.	9 P. M.	CLOUDS. 10 = quite covered. 7 A. M.	2 P. M.	9 P. M.	WIND. Direction and Force. 10 = hurricane. 7 A. M.	2 P. M.	9 P. M.	RAIN AND SNOW. Hour began.	Hour ended.	Inches Rain.	Melted Snow.	REMARKS.
	1	52	58.5	48	53	29.384	29.338	29.364	75	60	67	0	5	0	S. W.	S. W.	S. W.	-	1 a m	1.30	-	
	2	51	69	59	59.6	29.379	29.308	29.246	69	46	50	0	4	5	do	do	do	-	-	-	-	
	3	48	52	47	49	29.179	29.131	29.134	100	85	100	10	10	10	S. E.^{2}	S. E.^{2}	N. E.^{4}	5 a m	-	.54	-	Rain.
	4	44.5	45.5	44	44.6	29.242	29.290	29.329	100	100	85	10	10	10	N. E.^{3}	N. E.^{5}	do^2	-	5 p m	2.18	-	
☽	5	52	62	51	55	29.220	29.131	29.076	33	52	84	0	3	2	S. W.	S. W.	S. W.	-	-	-	-	Showers.
	6	40	41	30	37	29.195	29.042	29.104	75	32	33	4	9	0	N.W.^{3}	N.W.^{4}	N.W.^{2}	-	-	-	-	Snow squalls.
	7	29	50	45	41.3	29.047	29.001	29.106	46	33	40	0	2	2	N. W.	do^3	N. W.	-	-	-	-	Frost, A. M.
	8	43	58	50	50.3	29.209	29.174	29.166	54	34	29	0	0	0	do^4	do^3	do	-	-	-	-	
	9	53	71	59	61	29.335	29.271	29.316	43	25	39	0	0	0	N. W.	N. W.	do	-	-	-	-	
	10	56	74	58	62.6	29.326	29.291	29.255	58	52	100	9	10	10	S. E.	S. W.	S. W.	-	-	-	-	Showers.
	11	58	71	61	63.3	29.334	29.368	29.453	100	62	87	10	10	9	S. W.	do	do	-	-	-	-	Showers.
☉	12	67	79	63	69.6	29.584	29.672	29.670	73	26	53	0	2	0	do	do	do	-	-	-	-	
	13	58	76	62	65.3	29.754	29.275	29.813	67	45	81	2	1	0	do	do	do	-	-	-	-	
	14	60	63	62	61.6	29.783	29.648	29.588	89	100	100	10	10	10	S. E.	S. E.	S. E.	7 a m	-	-	-	Rain.
	15	61	77	67	68.3	29.421	29.321	29.383	91	56	79	10	1	2	S. W.	W.	N. W.	-	7 a m	1.00	-	
	16	68	77.5	64	69.8	29.412	29.399	29.500	53	30	72	6	4	2	N. W.	N. W.	S. W.	-	-	-	-	
	17	66	70	57	64.3	29.541	29.543	29.496	52	62	100	0	6	10	S. E.	S. W.	N. E.	7½ a m	-	-	-	Rain.
	18	63	68	62	64.3	29.426	29.361	29.378	100	100	100	10	10	10	do	S. E.	S. E.	-	p m	1.25	-	
☾	19	68	75	60	67.6	29.441	29.400	29.473	60	38	59	1	1	2	S. W.	S. W.^{2}	S. W.	-	-	-	-	
	20	64	77	65	68.6	29.477	29.325	29.351	50	48	82	0	2	3	do	S. W.	do	-	-	-	-	
	21	65	71	62	66	29.524	29.488	29.486	71	81	66	2	10	2	do	S. E.	do	-	-	-	-	
	22	58	70	62	63.3	29.534	29.566	29.575	63	45	47	2	2	1	N. W.	S. W.	N. W.	-	-	-	-	
	23	57	68	57	60.6	29.680	29.645	29.666	37	25	73	0	0	0	do	N. W.	do	-	-	-	-	
	24	56	72	60	61.6	29.692	29.616	29.588	57	27	74	0	0	0	do	S. W.	S. W.	-	-	-	-	
	25	60	58	65	61	29.502	29.426	29.284	64	76	100	8	10	10	S. W.	do	do	11½ am	-	-	-	Rain.
●	26	61	62	58	60.3	29.193	29.179	29.276	75	49	67	10	2	6	N. W.	N.W.^{3}	N.W.^{2}	-	9½ a m	.51	-	Shower, Eclipse of sun.
	27	51	66	57	58	29.407	29.421	29.444	100	56	86	10	1	0	N. E.^{4}	N. E.^{5}	do^2	-	-	-	-	
	28	64	77	71	70.6	29.402	29.328	29.338	52	47	75	2	2	3	S. W.	N. W.	S. W.	-	-	-	-	
	29	62	69	67	66	29.444	29.400	29.391	52	37	73	1	3	4	N. E.^{6}	S. E.^{3}	do	-	-	-	-	
	30	62	74	61	65.6	29.304	29.235	29.284	77	71	32	10	8	10	S. W.	S. W.	N. E.^{3}	-	-	-	-	
	31	48	58	50	52	29.533	29.532	29.514	40	52	74	2	0	0	N.W.^{4}	N.W.^{2}	N. W.	-	-	-	-	
Means,		55	66	57	56	29.416	29.358	29.420	68	53	71	3.9	4.4	4.1	Amount of rain and snow water,					6.78	0.00	= 6.78 inches.

FEBRUARY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	35	46	39	40	29.037	28.976	29.014	85	53	72	6	10	0	S. W.	S. W.	S. W.^{2}	–	–	–	–	
	2	38	46	30	38	29.088	29.074	29.195	69	55	73	10	6	10	W.	W.	N.W.^{3}	–	–	–	–	
	3	17	14	7	12.6	29.294	29.341	29.470	66	55	–	10	10	0	N.	N.W.^{2}	do^3	–	–	–	–	
☽	4	1	12	5	6	29.593	29.646	29.733	–	–	5	0	0	0	N.W.^{3}	do^2	do^2	7 a m	11 a m	–	.14	Snow, 1 inch.
	5	2	15	11	9.3	29.593	29.584	29.420	100	55	56	0	9	10	do^3	S. W.^{3}	N. E.^{4}	2 p m	–	–	–	Snow in squalls.
	6	13	13	7	11	29.476	29.671	29.819	100	53	–	10	10	0	do^2	N.W.^{2}	N.W.^{4}	–	a m	–	.34	Snow, 6 inches.
	7	3.5	23	19	12.8	29.853	29.797	29.800	–	67	73	6	2	2	do^4	do^1	do^4	–	–	–	–	[p. m.
	8	18	29	44	30.3	29.691	29.399	29.892	89	100	100	10	10	10	S. W.^{3}	S. W.^{3}	S. W.^{3}	3 a m	–	–	.55	Snow, 5 in. R. 2½
	9	39	39	34	37.3	28.858	29.072	29.200	76	47	100	8	0	0	N.W.^{3}	N. W.	N. W.	–	4 a m	1.90	–	
	10	30.5	37.5	21	29.6	29.169	29.198	29.440	55	–	58	6	2	3	N. W.	do^3	do^2	–	–	–	–	
	11	9	16	10	11.6	29.632	29.676	29.760	46	5	33	0	0	0	do^4	do^4	do^4	–	–	–	–	
○	12	8	25	23	18.6	29.847	29.784	29.814	29	43	36	0	4	10	do^4	do^2	do^4	–	–	–	–	
	13	21	31.5	33	28 5	29.772	29.645	29.475	90	100	100	10	10	10	do^2	S. E.^{3}	S. E.^{2}	12½pm	–	–	–	Snow. Rain & hail.
	14	32	35	33	33.3	29.433	29.467	29.487	100	100	92	10	10	10	E.	E.	N. E.^{4}	–	–	–	–	R. continued. [ed.
	15	31	32	33	32	29.427	29.282	29.284	100	100	85	10	10	10	N. E.^{2}	N. E.^{3}	S. E.^{2}	–	–	.64	–	R. con. Interrupt-
	16	31.5	34	25	30	29.405	29.342	29.480	100	–	59	10	10	0	N. W.	W.	N. W.	8 a m	2 p m	.30	–	S. ½in. Auroramod.
	17	19	29	19	22.3	29.612	29.602	29.688	58	20	38	0	0	0	do^2	N.W.^{3}	do^3	–	–	–	–	Aurora 9 p.m [8pm
	18	15	35	34	28	29.624	29.442	29.365	5	–	–	0	2	10	do^2	do^3	N. E.^{2}	–	–	–	–	
	19	34	29.5	16	26.5	29 333	29.490	29.625	–	12	–	0	1	0	do^2	do^1	N.W.^{3}	–	–	–	–	
☾	20	6	20	19	15	29.688	29.618	29.478	32	79	73	0	10	10	N. E.^{3}	E.^{4}	N. E.^{5}	12 m	–	–	–	Snow.
	21	19	22	19	20	29.479	29.249	29.380	100	61	10	10	2	0	do^6	N.W.^{5}	N.W.^{2}	–	10 a m	–	.30	Snow, 3 inches.
	22	20	39	34	31	29.425	29.264	29.113	20	63	81	0	0	0	N.W.^{3}	S. W.	S. W.^{3}	–	–	–	–	
	23	19	15.5	9	14.8	29.055	29,127	29.465	51	29	–	0	2	0	do^4	N.W.^{5}	N.W.^{6}	–	–	–	–	Snow squalls a. m.
	24	6	24	24	18	29.569	29.528	29.594	100	67	73	10	10	10	do^3	W.	S. W.^{2}	–	–	–	–	
	25	9.5	15.5	15	13.3	29.108	30.008	30.072	63	–	74	4	0	10	do^3	N.W.^{4}	N.W.^{4}	–	–	–	–	
●	26	17	30 5	44	30.5	29.836	29.441	28.983	100	100	100	10	10	10	N. E.^{4}	N. E.^{4}	N. E.^{2}	6½ a m	11 p m	2.45	–	Snow, hail & rain.
	27	39	29	21	29.6	28.975	29.340	29.752	73	68	8	2	9	0	N.W.^{2}	N.W.^{4}	N.W.^{4}	–	–	–	–	Snow squalls a. m.
	28	16	33	29	26	29.940	29.895	29.688	42	–	46	0	2	2	do^4	S. W.	S. W.^{2}	–	–	–	–	
Means,		19	27	22	22	29.438	29.399	29.552	62	47	51	4.7	5.3	4.5	Amount of rain and snow water,					5.29	1.33	6.62 in. S. 15½ in

MARCH, 1854—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Corrected and reduced to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	PSYCHROMETER. Saturated air=100. 7 A. M.	PSYCHROMETER. 2 P. M.	PSYCHROMETER. 9 P. M.	CLOUDS. 10 = quite covered. 7A.M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 10 = hurricane. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour began.	RAIN AND SNOW. Hour ended.	RAIN AND SNOW. Inches Rain.	RAIN AND SNOW. Melted Snow.	REMARKS.
	1	28	38	34	33.3	29.664	29.626	29.652	43	50	–	0	2	0	N.W.^{2}	N.W.^{4}	N.W.^{3}	-	-	-	-	
	2	31	47	36	38	29.681	29 670	29.674	58	44	74	0	2	0	W.	W.	W.^{2}	11½pm	-	-	-	Rain and Snow.
	3	33	33.5	33	33	29.515	29.307	29.365	100	100	100	10	10	10	S. E.^{2}	N. E.^{2}	N. E.^{1}	-	-	-	-	Rain, continued.
	4	32	38	37	35.6	29.386	29.261	29.172	100	83	79	10	10	10	N.	S. W.	S. W.	-	p m	.70	-	
	5	36	35	32	34.3	29.194	29.316	29.448	71	78	–	0	3	4	N. W.	N.W.^{2}	N. W.	-	-	-	-	
☽	6	27	34	27	29.3	29.513	29.562	29.665	–	–	30	0	1	0	do	do^2	N.W.^{3}	-	-	-	-	
	7	24	42	38	34.6	29.586	29.445	29.365	23	69	100	4	10	10	do	S. E.	S. E.	7 p m	-	-	-	Rain slight.
	8	33	33	33	33	29.205	29.020	28.975	100	100	100	10	10	10	N. E.	N. E.	N. E.^{2}	7 p m	-	-	-	Thunder Storm.
	9	35	42	36.5	37.8	29.287	29.345	29.443	88	75	100	10	10	10	S. W.	N. W.	do^2	6 p m	a m	.57	-	Rain.
	10	33.5	36	34	34.5	29.271	29.122	29.000	100	100	100	10	10	10	N. E.^{2}	N. E.	do^2	-	11½am	.75	-	
	11	38	42	32.5	37.5	29.240	29.394	29.624	60	32	32	0	0	0	N. W.	N.W.^{2}	N.W.^{1}	-	-	-	-	
	12	28	49.5	40	39	29.646	29.591	29.544	46	36	49	0	0	0	do	N. W.	N. W.	-	-	-	-	
	13	39	61	44	48	29.492	29.321	29.499	70	31	65	0	4	1	do	S. W.	S. W.	-	-	-	-	
☉	14	37	37	35	36.3	29.489	29.359	29.356	82	100	73	2	10	10	do^2	N. E.^{4}	N. E.^{2}	-	-	-	-	
	15	37	53	44	44.6	29.369	29.319	29.178	89	61	78	0	10	10	N. W.	W.	S. W.	11 p m	-	-	-	Rain.
	16	43	67	52	54	28.894	28.668	28.651	88	39	19	3	1	0	S. W.	S. W.	N.W.^{3}	-	2 p m	.28	-	Lightning, P. M.
	17	38	50	42	43.3	28.997	28.980	28.677	82	34	93	0	2	10	N. W.	N. W.	N. E.^{2}	9½ p m	-	-	-	Rain.
	18	24	27	23	24 6	28.795	28.884	29.248	28	43	40	3	9	0	do^5	do^6	N.W.^{4}	2 p m	-	-	-	Snow squalls, high [winds.
	19	16	31	24	23.3	29.460	29.391	29.372	–	66	73	0	1	0	do^5	do^2	do^2	-	-	-	-	
	20	22	27	17	22	29.342	29.453	29.632	80	13	24	10	2	0	do^2	do^4	do^4	a m	-	-	-	Snow squalls.
☾	21	15	26	20	20.3	29.685	29.604	29.646	14	40	8	0	0	0	N. W.	do^4	do^2	-	-	-	-	
	22	16	34.5	28	26	29.631	29.481	29.370	19	78	83	0	0	0	do^3	S. E.^{2}	S. E.^{3}	8½ p m	-	-	-	Snow.
	23	32	35	35	33.3	29.086	28.937	28.862	100	100	100	10	10	10	N. E.^{4}	N. E.^{2}	N. E.	-	p m	1.15	-	Hail and Rain.
	24	31	31.5	21	27.8	29.707	29.692	28.914	70	–	–	10	4	0	N.W.^{2}	N.W.^{2}	N.W.^{4}	-	-	-	-	
	25	21	29	22	24	28.893	28.858	28.924	20	55	58	4	3	2	do^2	do^2	N. W.	-	-	-	-	
	26	22	31.5	23	25.5	28.962	28.952	29.090	8	34	25	2	4	2	do^4	do^4	do^4	-	-	-	-	Snow squalls.
	27	22	30.4	22	24.8	29.134	29.136	29.311	44	31	–	1	1	0	do^4	do^5	do^4	-	-	-	-	Aurora.
●	28	15	25	16	18.6	29.460	29.375	29.448	47	26	–	0	10	0	do^2	do^4	do^5	-	-	-	-	Aurora moderate.
	29	16	30	23	23	29.663	29.632	29.730	–	34	32	0	5	0	do^4	do^4	do^2	-	-	-	-	Aurora.
	30	20	37	30	29	29.774	29.702	29.734	28	–	58	2	4	10	do^1	S. W.	S. W.	-	-	-	-	
	31	29	34	33	32	29.750	29.676	29.558	96	88	100	10	10	10	S. E.^{2}	N. E.^{4}	N. E.^{4}	2 p m	-	-	-	Rain drizzling.
Means,		28	37	32	32	29.541	29.306	29.326	56	52	52	3.3	5.1	4.1	Amount of rain and snow water,					3.45	0.00	=3.45 inches.

APRIL, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	34	52	38	41	29.192	29.064	29.144	100	100	90	10	10	10	N. E.^{2}	S. W.	S. W.	–	p m	.60	–	
	2	34	40	28	34	29.384	29.548	29.782	00	00	43	0	2	0	N.W.^{2}	N.W.^{2}	N.W.^{2}	–	–	–	–	
	3	24	35	39	32.6	30.050	30.020	29.970	47	00	52	0	0	0	do^2	do^2	do	–	–	–	–	
	4	29	46	37	37.3	29.860	29.677	29.794	84	37	58	10	10	2	S. W.^{2}	S. W.	S. W.	–	–	–	–	
☽	5	33	58	43	44.6	29.764	29.649	29.604	00	33	46	0	4	0	N.W.^{3}	N. W.	N. W.	–	–	–	–	
	6	38	68.5	55	53.8	29.463	29.280	29.221	79	43	55	6	10	5	S. W.	W.	S. W.	–	–	–	–	
	7	52	54.5	39	48.5	29.222	29.434	29.620	63	13	44	1	0	0	N.W.^{2}	N. W.	N. W.	–	–	–	–	Gusty.
	8	29	49	37	38.3	29.852	29.737	29 676	61	36	79	6	2	4	do	S. W.^{2}	S. W.	–	–	–	–	Lightning p.m.
	9	41	54	37	44	29.437	29.399	29.407	93	83	85	10	4	10	S. W.	S. E.	N. E.^{3}	3 p m	5 p m	–	–	Fog a. m. Rain.
	10	35	42	36	37.6	29.143	28.937	29.094	100	90	100	10	10	10	N. E.^{2}	N. E.^{3}	do^5	a m	–	.23	–	Rain. Fog. [Th.
	11	34	45	35	38	29.253	29.360	29.491	00	44	71	10	0	0	N.W.^{5}	N.W.^{4}	N. W.	–	a m	.20	–	
	12	28	56.5	42	42	29.506	29.564	29.578	33	26	54	0	4	0	do	S. W.	do	–	–	–	–	
○	13	38	60	40	46	29.570	29.554	29.830	72	17	96	0	2	1	do	N. W.	N. E.^{2}	–	–	–	–	
	14	28	41	35	34.6	29.897	29.700	29.744	74	63	85	0	2	10	do^2	S. E.	S. E.^{2}	11 p m	–	–	–	Snow.
	15	28	31.5	30	29.8	29.558	29.456	29.434	100	100	84	10	10	10	N. E.^{4}	N. E.^{5}	N. E.^{4}	–	4 p m	.54	–	Snow, 3 inches.
	16	29	35.5	32	32	29.482	29.543	29.521	52	00	45	10	10	10	do^4	do^5	do^6	p m	–	–	–	Snow.
	17	28.5	30	29	29	29.455	29.332	29.278	100	100	100	10	10	10	do^6	do^7	do^7	–	–	–	–	Snow cont'd. Rain.
	18	32	42.5	36	36.8	29.260	29.250	29.311	100	58	67	10	10	10	N. W.	N. W.	N. W.	–	a m	.65	–	Snow, 7 inches.
☾	19	36	54	45	45	29.370	29.296	29.284	75	18	52	0	6	8	do	S. W.^{3}	S. W.	–	–	–	–	
	20	47	54	42	47.6	29.205	29.248	29.300	53	69	66	0	0	0	do	N. W.	N. W.	–	–	–	–	
	21	50	58	44	50.6	29.395	29.376	29.451	40	39	46	0	2	0	do	do	do	–	–	–	–	
	22	46	48	40	44.6	29.440	29.384	29.240	34	100	100	8	10	10	do	S. W.	S. W.	12 m	–	–	–	Rain.
	23	40	54	39	44.3	29.175	29.242	29.425	87	37	66	10	1	1	N. E.^{3}	N. E.^{3}	N. W.	–	–	.95	–	Aurora p.m. striat.
	24	43	60	51	51.3	29.492	29.201	29.341	53	12	37	0	0	0	N. W.	N. W.	do	–	–	–	–	
	25	51	68.5	55	58	29.380	29.229	29.260	44	20	47	2	1	6	do	do	do	–	–	–	–	
	26	51	69	64	61.3	29.186	29.070	29.003	65	9	100	6	10	10	S. W.	S. W.	S. W.	7 p m	10 p m	1.10	–	Th. storm.
●	27	61	64	47	57.3	29.046	29.059	29.223	66	71	91	0	4	10	do	S. W.	N.W.^{2}	6½ p m	–	–	–	Rain. Th. st. p. m.
	28	38	39	38	38.3	29.417	29.550	29.661	100	100	100	10	10	10	N. E.^{3}	N. E.^{4}	N. E.^{4}	–	–	–	–	Rain continued.
	29	36	39	40	38.3	29.685	29.634	29.600	100	100	100	10	10	10	do^4	do^2	do^3	–	–	2.42	–	Rain continued.
	30	47	56	53	52	29.505	29.393	29 376	100	100	100	10	10	10	do^2	S. E.^{2}	S. W.	–	–	–	–	Rain continued.
Means,		38	50	41	42	29.590	29.374	29.455	65.5	51	73.9	5.4	5.4	5.3	Amount of rain and snow water.					6.69	–	= 6.69 in. S. 10 in.

MAY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER. 7 A. M.	2 P. M.	9 P. M.	Mean.	BAROMETER. Corrected and reduced to 32°. 7 A. M.	2 P. M.	9 P. M.	PSYCHROMETER. Saturated air = 100. 7 A. M.	2 P. M.	9 P. M.	CLOUDS. 10 = quite covered. 7 A. M.	2 P. M.	9 P. M.	WIND. Direction and Force. 10 = hurricane. 7 A. M.	2 P. M.	9 P. M.	RAIN AND SNOW. Hour began.	Hour ended.	Inches Rain.	Melted Snow.	REMARKS.
	1	52	58.5	48	53	29.384	29.338	29.364	75	60	67	0	5	0	S. W.	S. W.	S. W.	-	1 a m	1.30	-	
	2	51	69	59	59.6	29.379	29.308	29.246	69	46	50	0	4	5	do	do	do	-	-	-	-	
	3	48	52	47	49	29.179	29.131	29.134	100	85	100	10	10	10	S. E.^{2}	S. E.^{2}	N. E.^{4}	5 a m	-	.54	-	Rain.
	4	44.5	45.5	44	44.6	29.242	29.290	29.329	100	100	85	10	10	10	N. E.^{3}	N. E.^{5}	do^2	-	5 p m	2.18	-	
☽	5	52	62	51	55	29.220	29.131	29.076	33	52	84	0	3	2	S. W.	S. W.	S. W.	-	-	-	-	Showers.
	6	40	41	30	37	29.195	29.042	29.104	75	32	33	4	9	0	N.W.^{3}	N.W.^{4}	N.W.^{2}	-	-	-	-	Snow squalls.
	7	29	50	45	41.3	29.047	29.001	29.106	46	33	40	0	2	2	N. W.	do^3	N. W.	-	-	-	-	Frost, A. M.
	8	43	58	50	50.3	29 209	29.174	29.166	54	34	29	0	0	0	do^4	do^3	do	-	-	-	-	
	9	53	71	59	61	29.335	29.271	29.316	43	25	39	0	0	0	N. W.	N. W.	do	-	-	-	-	
	10	56	74	58	62.6	29.326	29.291	29.255	58	52	100	9	10	10	S. E.	S. W.	S. W.	-	-	-	-	Showers.
	11	58	71	61	63.3	29.334	29.368	29.453	100	62	87	10	10	9	S. W.	do	do	-	-	-	-	Showers.
☺	12	67	79	63	69.6	29.584	29.672	29.670	73	26	53	0	2	0	do	do	do	-	-	-	-	
	13	58	76	62	65.3	29.754	29.275	29.813	67	45	81	2	1	0	do	do	do	-	-	-	-	
	14	60	63	62	61.6	29.783	29.648	29.588	89	100	100	10	10	10	S. E.	S. E.	S. E.	7 a m	-	-	-	Rain.
	15	61	77	67	68.3	29.421	29.321	29.383	91	56	79	10	1	2	S. W.	W.	N. W.	-	7 a m	1.00	-	
	16	68	77.5	64	69.8	29.412	29.399	29.500	53	30	72	6	4	2	N. W.	N. W.	S. W.	-	-	-	-	
	17	66	70	57	64.3	29.541	29.543	29.496	52	62	100	0	6	10	S. E.	S. W.	N. E.	7½ a m	-	-	-	Rain.
	18	63	68	62	64.3	29.426	29.361	29.378	100	100	100	10	10	10	do	S. E.	S. E.	-	p m	1.25	-	
☾	19	68	75	60	67.6	29.441	29.400	29.473	60	38	59	1	1	2	S. W.	S. W.^{2}	S. W.	-	-	-	-	
	20	64	77	65	68.6	29.477	29.325	29.351	50	48	82	0	2	3	do	S. W.	do	-	-	-	-	
	21	65	71	62	66	29.524	29.488	29.486	71	81	66	2	10	2	do	S. E.	do	-	-	-	-	
	22	58	70	62	63.3	29.534	29.566	29.575	63	45	47	2	2	1	N. W.	S. W.	N. W.	-	-	-	-	
	23	57	68	57	60.6	29.680	29.645	29.666	37	25	73	0	0	0	do	N. W.	do	-	-	-	-	
	24	56	72	60	61.6	29.692	29.616	29.588	57	27	74	0	0	0	do	S. W.	S. W.	-	-	-	-	
	25	60	58	65	61	29.502	29.426	29.284	64	76	100	8	10	10	S. W.	do	do	11½ am	-	-	-	Rain.
●	26	61	62	58	60.3	29.193	29.179	29.276	75	49	67	10	2	6	N. W.	N.W.^{3}	N.W.^{2}	-	9½ a m	.51	-	Shower, Eclipse of [sun.
	27	51	66	57	58	29.407	29.421	29.444	100	56	86	10	1	0	N. E.^{4}	N. E.^{5}	do^2	-	-	-	-	
	28	64	77	71	70.6	29.402	29.328	29.338	52	47	75	2	2	3	S. W.	N. W.	S. W.	-	-	-	-	
	29	62	69	67	66	29.444	29.400	29.391	52	37	73	1	3	4	N. E.^{6}	S. E.^{3}	do	-	-	-	-	
	30	62	74	61	65.6	29.304	29.235	29.284	77	71	32	10	8	10	S. W.	S. W.	N. E.^{3}	-	-	-	-	
	31	48	58	50	52	29.533	29.532	29.514	40	52	74	2	0	0	N.W.^{4}	N.W.^{2}	N. W.	-	-	-	-	
Means,		55	66	57	56	29.416	29.358	29.420	68	53	71	3.9	4.4	4.1	Amount of rain and snow water,					6.78	0.00	= 6.78 inches.

JUNE, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	49	65	54	56	29.660	29.636	29.628	78	36	76	1	1	0	N. W.	N. E.²	S. E ²	–	–	–	–	
	2	60	73	66	66.3	29 644	29.543	29.593	47	30	52	0	0	0	do	S. W.	N. W.	–	–	–	–	
☽	3	72	83	70	75	29.513	29.472	29.493	69	92	69	0	0	0	do	N. W.	do	–	–	–	–	
	4	54	80	63	65.6	29.471	29.403	29.413	74	46	75	0	0	0	S. W.	S. W.²	S. W.²	–	–	–	–	
	5	68	85	70	70.6	29.383	29.312	29.330	62	37	76	0	0	0	N. W.	S. W.	S. W.	–	–	–	–	
	6	68	77	62	69	29.400	29.394	29.432	78	60	71	0	0	0	N. E.	E.	S. E.	–	–	–	–	
	7	55	70	66	63.6	29.362	29.323	29.318	100	82	81	10	10	9	S. E.	S. E.	S. W.	5 a m	–	–	–	Rain. Showers.
	8	64	66	64	64.6	29.226	29.121	29.133	100	100	94	10	10	9	do	do	do	–	3 p m	2.15	–	
	9	64	76	60	66.6	29.128	29.132	29.208	86	54	78	10	2	0	S. W.	S. W.	do	–	–	–	–	
○	10	62	67	58	62.3	29.264	29.363	29.438	72	50	69	3	6	3	W ²	N. W.	N. W.	–	–	–	–	
	11	60	69	64	64.3	29.469	29.428	29.451	73	68	72	9	9	9	N. W.	do	do	–	–	–	–	
	12	64	76	74	71.3	29.379	29.308	29.280	49	47	75	4	3	0	S. W.	do	do	–	–	–	–	
	13	68	78.5	66	70.8	29.280	29.210	29.210	67	71	73	2	2	0	do	S. W.	do	2¾ p m	–	.60	–	Showers.
	14	69	80	64	71	29.213	29.167	29.223	57	50	67	0	0	2	N. W.	N. W.	do	p m	–	–	–	Thunder Storm.
	15	63	76	70	69.6	29.246	29.208	29.232	37	57	83	4	6	0	do	do	S. W.	–	–	–	–	Showers.
	16	67	74	58	66.3	29.277	29.358	29.501	64	31	76	6	8	6	do	do²	S. E.	–	–	–	–	
☾	17	59	72	65	65.3	29.592	29.551	29.531	44	40	70	0	0	0	S. E.	N. W.	N. W.	–	–	–	–	
	18	60	80.5	73	71	29.524	29.428	29.368	79	42	64	6	0	0	W.	S. W.	S. W.	–	–	–	–	
	19	74	84	76	78	29.360	29.307	29.330	62	48	49	0	4	0	N. W.	N. W.	N. W.	–	–	–	–	
	20	72	83	73	76	29.360	29.312	29.358	34	39	49	0	2	0	do	do	do	–	–	–	–	
	21	61	63	57	60.3	29.398	29.400	29.463	45	84	82	0	10	10	N.W.²	N. E.	N. E.	–	–	–	–	
	22	55	58	53	55.3	29.504	29.512	29.494	90	78	83	10	10	10	N. E.	do	do	–	–	–	–	
	23	54	59	57	56.6	29.493	29.401	29.372	95	85	93	10	10	10	do	do	do	a m	–	–	–	Fog. Rain.
	24	62	77	65	68	29.272	29.115	29.235	89	45	72	10	2	0	S. W.	S. W.	S. W.	–	–	–	–	
●	25	65	69	59	64.3	29.383	29.355	29.371	53	58	60	0	0	0	N.W.²	N. W.	N. W.	–	–	–	–	
	26	59	71	62	64	29 464	29.415	29.329	60	54	61	0	10	4	N. W.	S. W.	do	–	–	–	–	
	27	66	73	62	67	29.380	29.398	29.460	70	69	58	10	6	4	do	N. W.	do	–	–	–	–	
	28	66	82.5	87	78.5	29.378	29.210	29.200	61	63	77	10	5	1	S. W.	S. W.	do	4½ p m	–	–	–	Shower.
	29	68	78	65	70.3	29 361	29.392	29.275	39	57	74	0	3	6	N. W.	N.	S. W.	–	–	–	–	
	30	63	60	63	63	29.326	29.254	29.241	84	100	96	10	10	10	S. W.	S. E.	S. E.	8 a m	p m	.30	–	Rain, interrupted.
Means,		61	73	64	67	29.389	29.347	29.363	67	58	72	3.1	4.3	3.1	Amount of rain and snow water,					3.05 inches.		

JULY, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 10 = hurricane. 7 A. M	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	65	76	65	68.6	29.394	29.438	29.550	59	40	44	0	0	0	N.W.[2]	N. W.	N. W.	–	–	–	–	
	2	68	80	74	70.6	29 623	29.588	29.495	55	76	60	0	0	0	N. W.	do	S. W.	–	–	–	–	
☽	3	77	88	84	83	29.405	29.316	29.291	53	39	46	0	2	2	W.	do	N. W.	–	–	–	–	
	4	83	93.5	87	87.8	29.314	29.244	29.223	55	35	72	0	1	6	N. W.	S. W.	S. W.	–	–	–	–	
	5	82	89	81	84	29.229	29.226	29.314	52	36	43	2	0	0	do	N. W.	N. W.	–	–	–	–	
	6	72	85	78	78.3	29.468	29.489	29.504	53	31	51	0	2	2	do	do	S. W.	–	–	–	–	
	7	78	86	77	80.3	29.540	29.524	29.534	49	50	56	0	2	3	do	S.	do	–	–	–	–	
	8	74	84.5	76	78	29.520	29.509	29.587	64	35	67	2	6	4	S. W.	S. W.	do	–	–	–	–	
	9	73	82.5	77	77.5	29.423	29 333	29.337	75	70	68	10	5	6	S. E.	do	do	–	–	–	–	Slight showers.
☺	10	70	66	62	66	29.353	29.471	29.473	72	88	75	10	10	2	N. E.[2]	S. E.	N. W.	–	–	–	–	
	11	67	77	78	74	29.472	29.451	29.481	64	37	53	0	2	0	N. W.	do[2]	S. E.	–	–	–	–	
	12	62	73	66	67	29.474	29.478	29.508	89	74	47	10	10	8	S. E.[1]	S. E.	S. W.	–	–	–	–	
	13	66	78	63	69	29.651	29.648	29.663	56	40	50	6	4	4	N. W.	N. W.	N. E.	–	–	–	–	
	14	55	57	56	56	29.636	29.559	29.556	100	100	79	10	10	10	N. E.	N. E.	do	3½ a m	–	1.15	–	Showers.
	15	53.5	68	63	61.5	29.560	29.538	29.526	84	68	90	10	2	2	do[2]	N. W.	N. W.	–	–	–	–	
☾	16	64	80	72	72	29.698	29.590	29.595	85	53	73	3	0	0	S. W.	S. E.	S. E.	–	–	–	–	Fog A. M.
	17	73	84	75	77	29.603	29.540	29 484	63	42	70	0	0	0	S. E.	do	do	–	–	–	–	Fog A. M.
	18	74	83	73	76.6	29.453	29.404	29 380	66	45	49	0	0	0	S. W.	N. W.	N. E.	–	–	–	–	
	19	69	87	80	78.6	29.408	29.354	29 339	68	30	57	0	0	0	N. W.	do	S. W.	–	–	–	–	
	20	82	90	80	84	29.328	29.292	29.334	57	56	43	0	10	0	S. W.	E.	do	–	–	–	–	
	21	77	84	80.5	80.5	29.377	29.349	29.446	71	70	73	0	4	2	do	S. W.	do	1 p m	–	.03	–	Slight showers.
	22	74	86	76	78.6	29.529	29.502	29.535	88	67	83	2	4	0	N.	N. E.	do	6½ p m	–	–	–	Th. shower, slight.
	23	74	86	75	78	29.529	29 519	29.550	50	48	74	2	4	0	S. W.	S. W.	do	–	–	–	–	Shower.
●	24	73	69	69	67	29.542	29.575	29.547	91	100	96	10	10	10	do	N. W.	N.W.[2]	1½ p m	4 p m	3.40	–	Showers.
	25	71	77	73	73.6	29.465	29.430	29.438	100	90	95	10	10	10	S.	S. E.	S. W.	–	–	1.10	–	Showers.
	26	74	84	77	78	29.380	29 327	29.450	86	70	66	10	6	2	S. W.	S. W.	do	–	–	–	–	
	27	70	77	67	71	29.458	29.491	29.578	58	40	54	10	1	0	N. W.	N. W.	N. W.	–	–	–	–	
	28	64	79	72	71.6	29.646	29.572	29 538	75	39	59	0	0	0	do	do	do	–	–	–	–	
	29	69	77	73	73	29.469	29.345	29.318	78	73	59	10	6	0	S. W.	S. W.	S. W.	10½ am	–	–	–	Showers.
	30	75	83	73	77	29.314	29.349	29.468	64	34	65	0	0	0	N. W.	N. W.	N. W.	–	–	–	–	
	31	75	80	75	73	29.516	29.490	29.505	50	41	54	0	0	0	do	do	do	–	–	–	–	
Means,		67	80	73	74	29.476	29.449	29.469	68	57	61	3.8	3.4	2.3	Amount of rain and snow water,					5.68 inches.		

AUGUST, 1854—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER. 7 A. M.	THERMOMETER. 2 P. M.	THERMOMETER. 9 P. M.	THERMOMETER. Mean.	BAROMETER. Corrected and reduced to 32°. 7 A. M.	BAROMETER. 2 P. M.	BAROMETER. 9 P. M.	PSYCHROMETER. Saturated air=100. 7 A. M.	PSYCHROMETER. 2 P. M.	PSYCHROMETER. 9 P. M.	CLOUDS. 10 = quite covered. 7A. M.	CLOUDS. 2P.M.	CLOUDS. 9P.M.	WIND. Direction and Force. 10 = hurricane. 7 A. M.	WIND. 2 P. M.	WIND. 9 P. M.	RAIN AND SNOW. Hour began.	RAIN AND SNOW. Hour ended.	RAIN AND SNOW. Inches Rain.	RAIN AND SNOW. Melted Snow.	REMARKS.
☽	1	67	82	76	75	29.475	29.388	29.351	74	53	71	6	2	6	N. W.	N. W.	N. W.	9½ p m	-	-	-	Th. storm, slight.
	2	80	82	74	78.6	29.242	29 201	29.295	59	43	45	4	0	0	S. W.	S. W.	S. W.	-	-	-	-	
	3	65	79	73	72	29.401	29.395	29.300	63	31	67	0	0	4	N. W.	N. W.	do	-	-	-	-	
	4	67	69	68	68	29.262	29.203	29.241	83	83	67	10	10	6	S. W.	S. W.	do	12 m	-	-	-	Showers.
	5	67	79	74	73	29.320	29.332	29.345	81	98	66	0	2	0	N. W.	N. W.	N. W.	p m	-	-	-	Showers.
	6	75	83	73	77	29.327	29.254	29.258	43	44	72	0	2	10	do	do	S. W.	8 p m	-	-	-	Th. storm, slight.
	7	64	74	70	69	29.313	29.332	29.411	67	36	42	0	0	6	do	do	N. W.	-	-	-	-	
☺	8	62	73	66	67	29.529	29.533	29.576	61	42	44	0	2	0	do	do	do	-	-	-	-	
	9	65	74	62	67	29.646	29.617	29.536	52	43	62	1	2	0	do	do	do	-	-	-	-	
	10	60	71	62	64	29.637	29.603	29 561	64	26	66	2	10	2	do	N. E.	N. E.	-	-	-	-	
	11	61	73	64	66	29.521	29.516	29.525	55	40	63	10	10	2	N. E.	S. E.	S. E.	-	-	-	-	
	12	66	79	76	73	29.530	29.488	29.413	84	55	84	4	2	2	E.	S. W.	do	-	-	-	-	
	13	70	87	75	77	29.310	29.197	29.209	96	40	56	10	6	2	S. E.	do	S. W.	-	-	-	-	Lightning.
	14	67	75	68	70	29.351	29.400	29.427	39	38	48	0	0	0	N.W.[3]	N. W.	N. W.	-	-	-	-	
☾	15	63	72	68	67.6	29.464	29.331	29.341	52	64	80	6	10	4	N. W.	S. W.	S. W.	-	-	-	-	
	16	64	75	70	69.6	29.388	29.353	29.423	62	93	53	0	0	0	do	N. W.	N. W.	-	-	-	-	
	17	62	77	68	69	29.396	29.413	29.471	72	41	85	10	6	4	do	do	do	-	-	-	-	
	18	61	75	67	67.6	29.551	29.555	29.595	53	26	46	0	0	0	do	do	S. W.	-	-	-	-	
	19	60	79	69	69	29.634	29.578	29.543	89	58	34	1	4	4	S. W.	S. W.	do	-	-	-	-	
	20	65	82	73	76	29.513	29.367	29.595	72	46	53	0	0	0	do	do	do	-	-	-	-	
	21	63	80	70	71	29.571	29.532	29.463	56	41	65	0	0	0	do	do	do	-	-	-	-	
	22	69	85	72	75	29.318	29.274	29.500	65	46	38	0	6	6	N. W.	do[3]	do[4]	-	-	-	-	Dry haze.
●	23	62	72	65	66	29.668	29.625	29.638	52	30	53	2	0	3	S. W.	do	S. E.[2]	-	-	-	-	Dry haze.
	24	62	82	75	74	29.529	29.335	29.442	63	45	60	8	1	0	do	do	S. W.	-	-	-	-	Dry haze.
	25	69	82	74	75	29.496	29.491	29.448	76	24	46	0	0	0	do[2]	do[3]	do	-	-	-	-	Dry haze.
	26	62	76	61	69.5	29.470	29.405	29.495	55	54	100	6	6	10	N. W.	N. W.	N. W.	7 p m	-	.35	-	Rain. Showers.
	27	56	64	56	58.5	29.475	29.524	29.606	82	68	77	10	10	10	N. E.[2]	N. E.[2]	S. E.	-	-	-	-	
	28	55	71	57	61	29.712	29.696	29.771	70	43	66	0	5	6	N. W.	N. W.	do	-	-	-	-	
	29	55	69	56	59.5	29.795	29.721	29.701	77	39	79	0	0	0	S. E.	S. E.	do	-	-	-	-	
	30	52	75	64	63.5	29.659	29.576	29.551	78	41	41	0	0	2	S. W.	S. W.	S. W.	-	-	-	-	
☽	31	72	81	66	73	29.528	29.540	29.698	67	57	46	0	0	9	do	N. W.	N. W.	-	-	-	-	
Means,		64	76	68	69	29.471	29.568	29.477	66	47	57	3 1	2.6	2.6	Amount of rain and snow water,					0.35 inches.		

SEPTEMBER, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	67	82	76	75	29.475	29.584	29.506	76	52	78	6	2	6	N. W.	N. W.	N. W.	12½ am	–	1.00	–	Rain interrupted.
	2	55	60	59	58	29.642	29.596	29.542	100	100	100	10	10	10	S. E.	S. E.	S. E.	–	–	.43	–	Rain continued.
	3	69	80	69	72	29.474	29.450	29.458	80	31	61	2	0	0	N. W.	N. W.	N. W.	–	a m	.30	–	
	4	66	75	67	69	29.576	29.560	29.528	80	51	77	0	2	0	do²	N. E.	N. E.	–	–	–	–	
	5	69	83	76	76	29.513	29.442	29.440	73	63	72	2	0	0	S. W.	S. W.	S. W.	–	–	–	–	Fog a. m.
☺	6	75	89	73	79	29.438	29.387	29.414	85	57	84	0	0	10	do	do	do	7 p m	–	–	–	Th. st. High winds.
	7	71	80	68	73	29.380	29.349	29.465	79	53	57	10	2	0	do	N. W.	N. W.	–	–	.60	–	
	8	61	75	68	68	29.584	29.512	29.433	61	46	53	0	2	8	N. W.	S. E.²	S. E.	8¾ p m	–	–	–	Shower.
	9	75	68	57	60	29.218	29.250	29.375	75	100	100	8	9	10	S. W.	S. E.	N. E.	–	–	.30	–	R. cont., inter'p'd.
	10	48	49	49	48	29.417	29.387	29.413	100	100	100	10	10	10	N. E.²	N. E.⁴	do⁴	–	p m	2.10	–	
	11	46	61	50	52	29.528	29.532	29.540	46	55	79	0	0	0	N. W.	N. E.	S. E.	–	–	–	–	
	12	55	66	62	61	29.447	29.356	29.424	84	77	73	10	10	0	S. E.	S. E.	N. W.	–	–	–	–	
	13	57	65	50	57	29.612	29.681	29.746	65	52	74	0	0	0	N. W.	N. W.	do	–	–	–	–	
☾	14	51	61	56	56	29.770	29.677	29.537	80	75	100	8	10	10	S. E.	S. E.	S. E.	5 p m	–	–	–	Rain.
	15	66	70	56	64	29.339	29.396	29.501	83	100	62	10	2	0	N. W.	N. W.	N. W.	–	7 a m	.30	–	
	16	50	62	50	54	29.621	29.628	29.702	69	43	74	1	0	0	do	do	do	–	–	–	–	
	17	48	61	48	52	29.828	29.751	29.807	48	56	61	0	0	0	do	do	do	–	–	–	–	Slight frost this a m.
	18	54	68	57	59	29.793	29.682	29.596	66	56	57	2	4	0	S. W.	S. W.³	S. W.	–	–	–	–	
	19	61	76	68	68	29.401	29.271	29.205	91	63	64	10	2	0	do	S. W.	do	p m	–	–	–	Rain.
	20	60	61	48	56	29.191	29.359	29.494	55	46	53	1	0	0	N. W.²	N. W.	N. W.	–	a m	.50	–	[2 Cor. arches.
	21	40	54	43	45	29.713	29.720	29.757	47	33	75	0	4	0	do²	do	do	–	–	–	–	Frost a. m. Aurora,
●	22	41	59	47	49	29.888	29.895	29.905	87	55	59	0	0	0	S. W.	S. W.	S. W.	–	–	–	–	Aurora p. m.
	23	47	64	62	57	29.893	29.724	29.614	59	53	32	0	0	0	do	do²	do	–	–	–	–	Aurora p. m.
	24	57	73	57	62	29.537	29.451	29.461	73	56	75	0	0	0	do	do	do	–	–	–	–	
	25	58	72	63	64	29.427	29.408	29.446	83	53	76	2	3	4	do	do	do	–	–	–	–	Fog a. m.
	26	60	76	67	67	29.474	29.443	29.471	91	39	68	2	0	0	do	do	do	–	–	–	–	Fog. Aurora, 2 Cor.
	27	64	77	69	70	29.476	29.490	29.350	84	56	67	10	0	0	do²	do²	do	–	–	–	–	[arches, p. m.
	28	66	76	64	66	29.363	29.380	29.426	85	88	58	4	0	0	do	N. W.	N. W.	–	–	–	–	
☽	29	51	62	46	53	29.587	29.612	29.760	63	49	38	0	2	0	N. W.	do³	do²	–	–	–	–	
	30	43	56	48	49	29.732	29.709	29.709	53	25	57	0	0	0	do	N. W.	N. W.	–	–	–	–	Frost a. m.
Means,		57	68	63	61	29.510	29.521	29.504	73	60	68	3.6	2.4	2.2	Amount of rain and snow water.					5.53 inches.		

OCTOBER, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	Thermometer. 7 A. M.	Thermometer. 2 P. M.	Thermometer. 9 P. M.	Thermometer. Mean.	Barometer. Corrected and reduced to 32°. 7 A. M.	Barometer. 2 P. M.	Barometer. 9 P. M.	Psychrometer. Saturated air = 100. 7 A. M.	Psychrometer. 2 P. M.	Psychrometer. 9 P. M.	Clouds. 10 = quite covered. 7 A. M.	Clouds. 2 P. M.	Clouds. 9 P. M.	Wind. Direction and Force. 10 = hurricane. 7 A. M.	Wind. 2 P. M.	Wind. 9 P. M.	Rain and Snow. Hour began.	Rain and Snow. Hour ended.	Rain and Snow. Inches Rain.	Rain and Snow. Melted Snow.	Remarks.
	1	42	60	53	51	29.605	29.370	29.682	78	48	100	3	10	10	N. W.	S. W.	S. E.	8½ p m	-	-	-	Rain.
	2	59	62	48	56	29.172	29.219	29.314	44	43	61	0	0	0	do	N. W.	N. W.	-	a m	-	-	Rain, slight.
	3	46	60	65	57	29.311	29.204	28.966	72	66	100	9	10	10	W.	S. E.[2]	N. E.[2]	3 p m	-	-	-	Rainbow, 6 a. m.
	4	61	55	50	57	29.014	29.084	29.254	68	88	74	10	10	0	S. W.	S. W.	N. W.	-	4 p m	.80	-	Rain continued.
	5	45	54	38	45	29.475	29.577	29.750	71	48	75	0	4	0	N. W.	N.W.[3]	do	-	-	-	-	
	6	37	63	51	50	29.864	29.694	29.757	85	41	48	2	3	0	do	do[2]	do	-	-	-	-	
	7	49	74	62	61	29.680	29.581	29.591	83	44	73	2	0	0	S. W.	S. W.[2]	S. W.	-	-	-	-	
	8	62	70	60	64	29.611	29.553	29.546	64	78	73	8	10	10	N. W.	S. W.	do	-	-	-	-	
	9	59	77	63	66	29.449	29.330	29.308	74	57	59	3	8	9	S. W.	do	do	-	-	-	-	
	10	50	58	46	51	29.536	29.582	29.682	39	53	66	0	0	0	N. W.	N. W.	N. W.	-	-	-	-	
	11	49	65	58	57	29.665	29.542	29.489	79	62	81	10	4	2	S. W.	S. W.[2]	S. W.[2]	-	-	-	-	
	12	60	73	63	65	29.439	29.331	29.308	83	69	94	10	6	10	do	do[4]	S. W.	8 p m	-	-	-	Rain.
☾	13	61	57	51	56	29.401	29.484	29.534	96	69	92	10	10	10	do	N. E.	N. E.	-	a m	.30	-	
	14	48	56	49	51	29.460	29.223	29.472	92	84	100	10	10	10	S. E.	S. E	S. E.	3¾ p m	-	-	-	Rain.
	15	46	44	38	42	28.915	28.915	28.823	86	65	100	10	10	10	N. W.	N.W.[3]	N. E.[2]	-	a m	1.60	-	Rain continued.
	16	37	52	46	45	28.911	28.966	29.114	73	43	46	10	4	3	do[4]	do[3]	N. W.	a m	a m	.30	-	Rain. Hail, a. m.
	17	42	50	39	43	29.232	29.253	29.381	73	48	63	10	10	2	N. W.	N. W.	do	-	-	-	-	Rain, slight.
	18	36	52	39	42	29.464	29.392	29.488	67	52	81	0	4	0	do	S. W.	do	-	-	-	-	
	19	35	45	36	38	29.619	29.696	29.788	71	57	64	0	4	0	do	N. W.	do	8 a m	-	-	-	Snow squalls.
	20	30	49	40	39	29.552	29.849	29.874	93	44	62	2	0	0	N.	W.	N. E.	-	-	-	-	Ice.
●	21	30	50	36	41	29.874	29.832	29.818	93	74	93	0	0	0	do	N. W.	N. W.	-	-	-	-	Ice.
	22	32	55	39	42	29.791	29.815	29.727	59	45	54	0	0	0	N. W.	N.[2]	N. E.[2]	-	-	-	-	
	23	42	52	40	41	29.824	29.800	29.868	78	43	60	0	0	0	N. E.[3]	N. E.[3]	do[3]	-	-	-	-	
	24	41	52	41	41	29.844	29.770	29.773	65	59	71	10	0	0	do[2]	do[4]	N. E.	-	-	-	-	
	25	36	64	51	50	29.826	29.762	29.742	80	44	72	0	0	0	N. E.	N. W.	N. W.	-	-	-	-	
	26	47	63	50	53	29.917	29.850	29.873	51	59	69	0	0	0	N. W.	do	do	-	-	-	-	
	27	50	71	54	58	29.837	29.774	29.756	58	51	68	0	0	0	do	do	do	-	-	-	-	
☽	28	48	71	56	58	29.810	29.751	29.754	65	54	72	0	0	0	do	E.	E.	-	-	-	-	
	29	59	65	62	62	29.732	29.631	29.644	74	69	100	10	10	10	S. E.	S. E.	S. E.	1 a m	-	-	-	Rain, mod. Fog.
	30	61	69	59	63	29.610	29.511	29.508	100	78	100	10	10	10	do	do	do[2]	-	-	-	-	Rain continued.
	31	57	64	61	60	29.413	29.248	29.188	100	100	100	10	10	10	N. E.	do	S. E.	-	9½ p m	2.03	-	Rain continued.
Means,		47	60	49	53	29.402	29.484	29.576	74	60	76	4.9	4.7	3.7	Amount of rain and snow water,					5.03 inches.		

NOVEMBER, 1854.—METEOROLOGICAL OBSERVATIONS—*Continued.*

Moon's Phases.	Days of the Month.	THERMOMETER.				BAROMETER. Corrected and reduced to 32°.			PSYCHROMETER. Saturated air = 100.			CLOUDS. 10 = quite covered.			WIND. Direction and force. 10 = hurricane.			RAIN AND SNOW.				Remarks.
		7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Hour began.	Hour ended.	Inches Rain.	Melted Snow.	
	1	53	65	52	56	29.220	29.169	29.206	73	41	69	0	4	8	N. E.	S. W.	S. W.	-	-	-	-	
	2	43	52	42	43	29.337	29.420	29.495	95	55	97	5	2	8	W.	N. W.	N. W.	-	-	-	-	Halo. Lunar.
	3	46	58	47	50	29.430	29.480	29 609	67	37	73	5	5	4	S. W.	S. W.	N.	-	-	-	-	
☺	4	36	42	27	35	29.677	29.665	29.780	–	44	27	10	5	0	N. E.	N. W.	N. W.	-	-	-	-	
	5	16	30	21	22	29.975	29.860	29.842	89	85	56	0	0	0	N. W.	N.	N.	-	-	-	-	
	6	16	38	35	29	29.735	29.570	29.374	55	–	66	8	9	10	N.	S. W.	S. W.	-	-	-	-	
	7	40	45	37	37	29.084	29.910	29.230	–	–	–	10	10	0	S. W.	S.	do	2 a m	2 p m	.50	-	
	8	34	40	33	35	29.059	29.047	29.312	93	62	–	5	3	0	W.	N.W.[4]	N.W.[3]	-	-	-	-	
	9	26	40	32	32	29.484	29.483	29.633	97	97	80	0	0	5	S. W.	N. W.	N.	-	-	-	-	
	10	27	54	49	43	29.687	29.632	29.002	83	41	92	4	8	2	N. W.	S. W.	S. W.	-	-	-	-	
	11	56	58	60	58	29.527	29.402	29.404	88	–	–	10	10	10	S.	S.[3]	S.[3]	9 a m	-	1.80	-	Rain.
☾	12	58	55	56	56	29.487	29.456	29.454	–	–	–	10	10	10	S. W.	N.	N. E.[2]	-	-	2 75	-	Rain continued.
	13	57	62	59	56	29 322	29.236	29.196	–	–	–	10	10	10	N. E	S.	S.	-	4 p m	-	-	Rain continued.
	14	44	46	35	41	29.296	29.236	29.263	66	66	82	8	2	0	N. W.	N. W.	N. W.	-	-	-	-	
	15	30	33	33	32	29.162	29.103	29.138	85	–	–	4	0	0	do	W.	W.	9 a m	-	-	-	Snow.
	16	33	38	37	36	29.548	29.052	29.007	–	72	72	10	10	6	N.	N. E.	N. W.	-	-	.32	-	Snow, interrupted.
	17	31	40	39	36	29.067	29.071	29.067	96	62	–	2	10	10	N.W.[2]	S. W.[3]	S. W.	9 p m	-	-	-	Rain.
	18	39	46	42	42	29.053	29.476	29.110	77	59	54	10	10	10	S. W.	S. W.	do	-	a m	.10	-	
	19	36	44	38	39	29.170	29.100	29.178	79	55	83	8	2	2	N.W.[2]	N.W.[3]	N.W.[2]	-	-	-	-	
●	20	29	36	27	30	29.272	29.223	29.343	77	58	93	0	6	3	do[4]	do[4]	do[2]	-	-	-	-	
	21	27	39	32	32	29.339	29.478	29.433	73	63	59	4	2	10	do[2]	do[3]	S. W.	-	-	-	-	
	22	31	35	34	33	29.448	29.232	29.273	–	–	–	10	10	10	N. E.[2]	N. E.[2]	N. E.	9½ am	-	-	-	Snow, ½ in. Rain.
	23	35	43	34	37	29.398	29.361	29.353	74	39	–	0	0	0	N. W.	N. W.	N. W.	-	a m	.75	-	
	24	44	56	55	51	29.261	29.130	29.002	100	68	100	10	10	10	S. W.	S. E.[2]	N. E.[4]	6 p m	-	-	-	Rain.
☽	25	55	57	47	53	28.742	28.891	28.926	100	62	72	10	2	0	S. E[2]	S. W.[2]	S. W.	-	10½am	2.00	-	
	26	47	44	37	42	28.927	29.030	29.202	86	71	55	10	0	0	S. W.	N.W.[4]	N.W.[4]	-	-	-	-	
	27	34	40	33	35	29.275	29 300	29.447	–	57	–	10	2	0	do	S. W.	N. W.	-	-	-	-	
	28	26	42	30	32	29.566	29.542	29.575	40	26	44	0	0	0	N. W.	W.	do[3]	-	-	-	-	
	29	32	32	34	32	29.473	29.260	29.087	–	100	54	10	10	10	W.	N. E.[4]	N. E.[4]	8 a m	-	-	-	Snow, 2 in. Rain.
	30	33	36	24	31	29.145	29.150	29.258	–	79	57	0	0	0	N. W.	N.W.[2]	N.W.[5]	-	a m	1.60	-	
Means,		36	44	38	40	29.332	29.333	29.299	56	46	46	6.1	5 1	4.6	Amount of rain and snow water,					9.82 inches. Snow, 2½ inches.		

Summary of Meteorological Observations.

1853-4.		Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	TOTAL.
Mean of Thermometer at .	7	23	19	19	28	38	55	61	67	64	57	47	36	Extremes of Thermometer.
	2	32	27	27	37	50	66	73	80	76	68	60	44	January 29, ... —6°.
	9	26	23	22	32	41	57	64	73	68	63	49	38	July 4, ... 93°.5.
Mean of Barometer at . .	7	29.355	29.531	29.438	29.541	29.590	29.416	29.389	29.476	29.471	29.510	29.402	29.332	
	2	29.310	29.623	29.399	29.306	29.374	29.358	29.347	29.449	29.568	29.521	29.484	29.333	
	9	29.704	29.475	29.552	29.326	29.455	29.420	29.363	29.469	29.477	29.504	29.576	29.299	
Mean of Psychrometer at .	7	51.3	48.	62.	56.	65.5	68.	67.	68.	66.	73.	74.	56.	
	2	45.7	60.6	47.	52.	51.	53.	58.	57.	47.	60.	60.	46.	
	9	45.3	55.7	51.	52.	73.9	71.	72.	61.	57.	68.	76.	46.	
Mean Cloudiness at . .	7	5.3	5.5	4.7	3.3	5.4	3.9	3.1	3.8	3.1	3.6	4.9	6.1	
	2	4.7	5.5	5.3	5.1	5.4	4.4	4.3	3.4	2.6	2.4	4.7	5.0	
	9	3.5	3.3	4.5	4.1	5.3	4.1	3.2	2.3	2.6	2.2	3.7	4.6	
Days on which the wind prevailed from N. half of the compass, .		27	23	20	23	20	11	19	17	16	15	16	18	Total Days, ... 225
" S. " " " .		2	7	5	4	11	14	11	14	15	15	11	12	" " 121
" E. " " " .		8	2	5	8	11	7	8	6	5	8	9	4	" " 81
" W. " " " .		23	29	23	23	20	23	22	23	26	22	21	22	" " 277
Inches of Rain, ...		.66	2.38	5.29	3.45	6.69	6.78	3.05	5.68	.35	5.53	5.03	9.82	Total inches, . . 54.61 } =59.51
" Snow water, . . .		3.13	.44	1.33	–	–	–	–	–	–	–	–	–	" " . . 4.90 }
" Snow, ...		20½.	7½.	15.5	–	–	–	–	–	–	–	–	2.5	" " . . . . . 46.

Amount of Rain and Snow registered at the State Lunatic Hospital for Thirteen Years.

YEAR.	December.		January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		Total.	
	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.
1841–2, .	4.77	6.	1.35	5·	4.13	3.	2.24	4.	2.82	–	3.24	–	4.93	–	1.96	–	7.12	–	3.50	–	.83	–	3.36	–	40.25	18.
1842–3, .	5.30	26.	5 05	2.	4.45	30.	5.23	26.	3.13	10.	1.73	–	4.15	–	3.39	–	9.19	–	1.25	–	5.19	–	3.63	–	51.69	94.
1843–4, .	2.28	23.	3.14	13 5	1.44	12.	3.80	18.5	.35	–	3.67	–	1 92	–	3.50	–	3.39	–	3.68	–	7.34	–	3.06	5.	37.57	72.
1844–5, .	2. 5	8.	4.17	12.	2.61	20.	3.29	10.	1.61	–	3.23	–	3.14	–	2.91	–	2.36	–	2.57	–	4.44	–	6.77	4.	39.66	54.
1845–6, .	5.39	13.	2.92	13.	2.50	30.	3.33	–	1.34	–	5.85	–	2.37	–	3.81	–	2.44	–	.90	–	2.19	–	4.08	5.	37.12	61.
1846–7, .	2.87	9.	4.66	5.	4.08	17.	3 89	8.	1.67	–	1.63	–	5.29	–	4.86	–	4.20	–	7.17	–	2.87	–	3.75	–	46.94	39.
1847–8, .	4.93	10.5	3.08	4.5	1.61	25.	3.89	6.	1.52	5.	6.82	–	1.31	–	3.13	–	3.19	–	2.36	–	5.75	–	1.94	8.	39.53	59.
1848–9, .	3 93	25.	.98	2.	1.30	14.5	6.30	3.	1.95	–	3.56	–	1.25	–	1.60	–	4.28	–	2.49	–	6.45	–	4.11	–	38.20	44.5
1849–50, .	3.12	8.5	4.79	15.	3.23	2.	3.67	20.	5.53	13.	7.50	–	3.35	–	3.75	–	6.05	–	7.92	–	3.37	–	2.14	0.5	54.42	59.
1850–51, .	4.19	23.5	2.07	2 5	4.01	1.5	1 40	18	6.76	–	4.73	–	3.16	–	2.17	–	1.97	–	2.50	–	7.04	4.	5.68	5.5	45.68	55.
1851-2, .	2.30	5.5	5.44	15.5	2.46	11.5	3.42	13.5	10.77	23.	3.15	–	3.53	–	3.42	–	11.38	–	3.36	–	3.89	–	5.88	4.	59.00	73.
1852–3, .	4.78	4.	3.02	10.	8.09	11.	3.60	8.	4.92	–	5.45	–	1.01	–	3.29	–	10.71	–	5 26	–	6.20	–	5.30	–	59.65	33.
1853–4, .	3.79	20.5	2.82	7.5	6.62	15.5	3.45	–	6.69	–	6.78	–	3.05	–	5.68	–	.35	–	5.53	–	5.03	–	9.82	2.5	59 51	46.
Sums, .	50.21	182.5	43.49	107.5	46.53	193.	47.51	135.	51.06	51.	57.34	–	38.56	–	43.47	–	66.63	–	48.59	–	60.59	4.	59.52	34.5	609.22	707.5
Means, .	3.86	14.	3.42	8.2	3.57	14.8	3.50	10.5	3.82	3.8	4.41	–	2.96	–	3.34	–	5.12	–	3.73	–	4.66	–	4.57	2.6	46.87	54.4

The above Table, increasing in value as years are added, exhibits the mean quantity of Rain and Snow for each month, the yearly mean, and the amount fallen in each month and year during the past thirteen years.

Flowering Season on the Hospital Hill for Sixteen Years.

TREES, SHRUBS AND PLANTS.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.
Crocus,	April 8	April 1	–	April 7	April 15	–	April 12	April 9	April 24	April 10	April 20	April 10	April 4	April 9	April 7	April 10
Liverwort,	" 9	" 10	April 23	" 11	" 30	–	–	" 15	May 9	" 24	" 30	" 26	" 22	" 25	" 23	" 30
Leatherwood,	" 16	" 16	" 24	" 12	" 25	April 16	April 21	" 13	April 25	–	" 7	May 13	–	May 12	" 29	May 6
Bloodroot,	" 18	" 19	May 8	–	May 3	–	" 25	" 12	May 1	April 22	–	–	April 23	" 3	" 26	" 12
Wind Flower,	" 20	" 24	" 7	April 23	–	April 18	–	–	" 9	–	–	–	" 24	" 1	" 23	April 30
Cherry Tree,	" 20	" 25	" 15	" 24	May 9	" 21	April 28	Aprl 24	" 10	April 29	May 6	May 5	" 29	" 9	" 30	May 8
Trailing Arbutus,	–	–	April 17	Mar. 27	–	" 10	–	" 2	–	" 6	April 13	April 10	" 10	April 13	" 9	April 18
Fever Bush,	–	" 20	May 8	May 1	–	" 17	April 29	–	May 2	–	–	–	–	May 11	" 30	May 8
Missouri Currant,	–	" 20	" 16	" 1	May 8	–	" 25	April 28	" 12	April 28	–	May 6	April 25	" 12	" 23	" 7
Peach Tree,	May 5	May 1	" 19	April 22	" 12	April 24	May 1	" 25	" 11	" 26	May 7	" 6	May 5	" 11	" 30	" 9
Wild Cherry,	" 6	" 2	" 21	" 5	" 15	" 27	" 5	" 27	–	May 13	" 19	–	–	" 10	" 27	" 16
Apple Tree,	" 10	" 11	" 24	" 9	" 14	May 2	" 8	May 4	May 22	" 9	" 18	May 18	May 14	" 17	May 10	" 14
Flowering Almond,	" 12	" 13	" 25	–	" 25	" 4	" 10	" 6	" 25	" 12	" 23	" 23	" 15	" 18	" 15	" 20
Lilac,	" 16	" 16	" 27	–	" 24	" 4	" 15	" 8	" 25	" 17	" 24	" 28	" 18	" 27	" 17	" 22
Tart. Honeysuckle,	" 13	" 16	" 27	April 14	" 25	–	" 4	" 13	" 27	" 16	–	–	–	" 24	" 13	" 30
Shad Bush,	" 2	" 27	–	" 20	" 13	April 20	April 21	April 27	" 9	" 5	May 7	May 7	May 6	April 28	" 4	" 30
Red Maple,	–	–	April 25	" 3	April 28	" 12	" 20	" 10	April 21	April 16	April 11	April 23	April 3	" 28	April 11	April 23
Calicanthus,	–	" 23	June 4	–	May 29	–	May 20	May 15	May 28	–	–	June 3	May 23	" 25	June 4	June 6
Mountain Ash,	–	" 30	" 28	–	" 25	–	" 23	–	" 29	–	June 3	" 6	June 1	June 5	May 22	" 30
Dandelion,	April 23	April 23	May 1	April 16	" 9	April 23	April 23	April 19	" 10	April 15	April 29	April 15	April 22	May 3	April 22	May 10
Daphne Mezereon,	–	–	–	–	–	" 8	Mar. 23	" 3	April 20	" 3	" 2	" 6	Mch. 30	April 14	" 8	April 20
Pyrus Japonica,	–	–	–	–	May 14	" 26	May 3	" 23	May 11	May 6	May 3	May 6	April 30	May 9	" 30	May 10
Hyacinth,	–	–	–	–	" 29	–	" 1	" 22	" 12	April 14	April 23	April 18	" 12	" 4	" 25	" 6
Blue Violet,	–	–	–	–	" 1	April 15	–	Mar. 27	" 9	" 25	May 2	May 8	–	" 6	" 24	" 12
Persian Lilac,	May 18	–	May 30	–	" 20	–	May 19	May 17	–	May 21	June 3	June 7	May 25	" 24	May 19	" 26
G. Maculatum,	" 21	May 18	" 21	–	" 28	–	" 22	" 16	May 25	" 19	May 24	May 30	" 18	" 28	" 22	" 30
Russian Rose,	June 2	June 3	–	–	–	May 15	" 22	" 17	June 5	" 23	June 6	June 8	" 24	June 9	June 2	June 6
Scotch Rose,	May 27	May 26	–	–	–	–	" 20	–	–	" 27	" 14	" 14	June 6	" 30	" 6	" 10
Horse Chestnut,	–	" 20	–	–	May 21	–	" 15	–	–	July 12	July 19	May 22	May 19	May 28	May 17	" 2
Narcissus,	–	" 19	May 27	–	–	–	–	–	–	May 17	May 5	" 27	" 19	" 29	" 26	May 28

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OF THE

STATE LUNATIC HOSPITAL

AT WORCESTER,

1855.

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APR 25 '39 W.P.A.